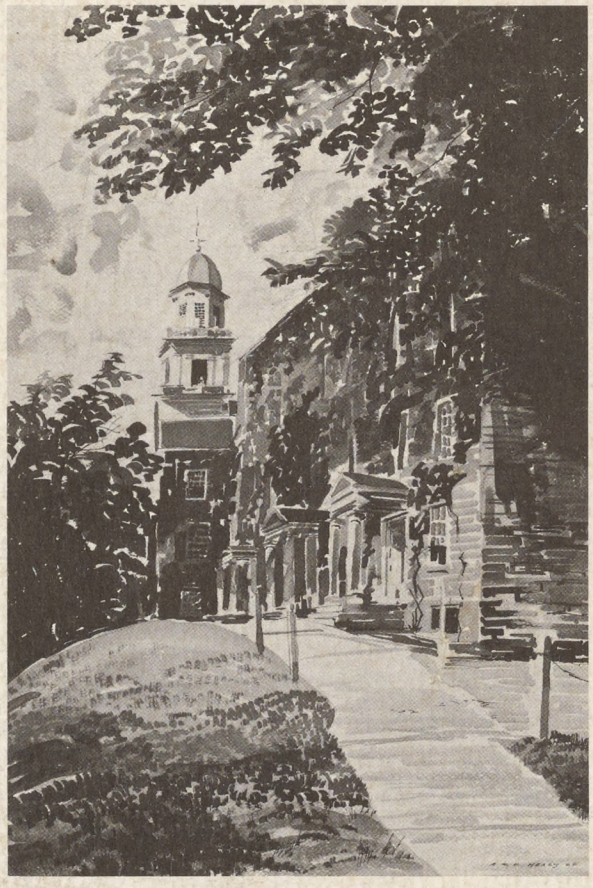

1964-65 Catalogue

Middlebury College

Bulletin

Calendar for 1964-65

1964

SEPTEMBER

17—Thursday, Freshman Week begins
20—Sunday, Freshman Convocation (10:45 a.m.) Mead Chapel
21—Monday, Classes begin (8 a.m.)

OCTOBER

3—Saturday, Alumni Homecoming Day (College in Session)
24—Saturday, Parents' Weekend (College in Session)

NOVEMBER

7—Saturday, U.V.M. football game away (Classes end at 11 a.m. 8, 9, 10 o'clock classes at usual hour, 11:00 classes at 4:00 p.m. on November 6)
25—Wednesday, Thanksgiving Recess begins (12 noon)
30—Monday, Classes resume (8:00 a.m.)

DECEMBER

17—Thursday, Christmas Recess begins (12 noon)

1965

JANUARY

4—Monday, Classes resume (8:00 a.m.)
23—Saturday, First Semester classes end
25—Monday, Final Examinations begin

FEBRUARY

3—Wednesday, Examinations end
8—Monday, Second Semester classes begin (8:00 a.m.)
25—Thursday, (5 p.m.) Winter Carnival Recess begins

MARCH

1—Monday, Classes resume (8 a.m.)

APRIL

3—Saturday, Spring Recess begins (12 noon). (Easter, April 18)
12—Monday, Classes resume (8 a.m.)

MAY

29—Saturday, Classes end
31—Monday, Final Examinations begin

JUNE

9—Wednesday, Final Examinations end
13—Sunday, Baccalaureate
14—Monday, Commencement

1964-65

SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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JANUARY

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1965

MARCH

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JULY

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AUGUST

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MIDDLEBURY COLLEGE BULLETIN

CATALOGUE NUMBER 1964-1965

ONE HUNDRED AND SIXTY-FIFTH YEAR

August 1964

MIDDLEBURY COLLEGE BULLETIN

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Government

President and Fellows—The Corporation

Calendar year indicates date of election

JAMES ISBELL ARMSTRONG, PH.D. (1963) — Middlebury
President of the College

EGBERT C. HADLEY, A.B., B.S., D.ENG. (1936) — Middlebury
Chairman of the Board and President of the Corporation,
Engineer, retired, Remington Arms Co., Inc.

ELBERT C. COLE, M.A., PH.D. (1939) — Middlebury
Secretary of the Corporation,
Samuel Fessenden Clarke Professor of Biology, Emeritus,
Williams College

STEWART ROSS, M.D., F.A.C.S. (1936) — Rutland
Physician and Surgeon

CARLETON H. SIMMONS, B.S. (1938) — Boston, Mass.
Hayden, Stone & Co.

FRED P. LANG, B.S. (1940) — New York, N. Y.

JOSEPH P. KASPER, B.S. (1940) — New York, N. Y.
Former President, Associated Merchandising Corporation

LEON S. GAY, PH.B. (1942) — Brandon
Former President, Vermont Historical Society

MOSES G. HUBBARD, A.B., LL.B., LL.D. (1945) — Utica, N. Y.
Attorney, Hubbard, Felt & Fuller

ALICE GUEST HOWSON, A.B., M.A. (1948) — Poughkeepsie, N. Y.
Study Counselor, Vassar College

EDWIN S. S. SUNDERLAND, A.B., LL.B., D.C.L. (1949) — New York, N. Y.
Attorney, Davis Polk Wardwell Sunderland & Kiendl

ROBERT DUTTON PROCTOR, A.B., M.F.A. (1955) — Proctor
First Vice President and Treasurer, Vermont Marble Company

PARIS FLETCHER, B.S., LL.B. (1956) — Worcester, Mass.
Attorney, June, Fletcher & Whipple

L. DOUGLAS MEREDITH, A.B., M.A., PH.D. (1960) — Montpelier
Executive Vice President and Chairman
Committee on Finance, National Life Insurance Co.

§ALEXANDER HAMILTON FULTON (term expires 1965) — New York, N. Y.

§RAYMOND J. SAULNIER, PH.D., LL.D. (term expires 1966) — New York, N. Y.
Professor of Economics, Columbia University
Former Chairman, President's Council of Economic Advisors

§WILLIAM S. YOUNGMAN, A.B., LL.B. (term expires 1967) — New York, N. Y.
Chairman, American International Underwriters Corporation

§DOROTHEA E. HIGGINS, A.B. (term expires 1968) — Buffalo, N. Y.
Personnel Director, William Hengerer Co.

§Arnold R. LaForce, b.s., m.b.a., ph.d. (term expires 1969) — New York, N. Y.
President and Director, Central Securities Corp.

*Foster R. Clement, Jr., a.b. (term expires 1965) — New York, N. Y.
Vice President, Chase Manhattan Bank

*Anthony G. L. Brackett, b.s., ed.m., ed.d. (term expires 1966) — Wilton, Conn.
Superintendent of Schools, Wilton

*Robert T. Stafford, b.s., ll.b., ll.d. (term expires 1967) — Washington, D. C.
Member of Congress-Vermont

*Hamilton Shea, a.b., (term expires 1968) — Harrisonburg, Va.
President, Shenandoah Valley Broadcasting, Inc.

*Marian G. Cruickshank, a.b., m.a., (term expires 1969) — Worcester, Mass.
Teacher, High School of Commerce

Carroll Rikert, Jr., a.b., m.b.a., c.p.a. — Middlebury
Treasurer and Assistant Secretary of the Corporation

Trustees Emeriti

Hall Park McCullough, a.b., ll.b., ll.d. (1919) — North Bennington

George H. V. Allen, c.e., ll.d. (1938) — Fair Haven

Walter H. Cleary, a.b., ll.b., ll.d., j.s.d. (1941) — Newport
Chief Justice, retired, Supreme Court of Vermont

Horace S. Ford, ll.d. (1942) — Cambridge, Mass.
Treasurer Emeritus, Massachusetts Institute of Technology

Gertrude Cornish Milliken, b.s., m.a., ed.d. (1948) — North Dighton, Mass.

§Term Trustee

*Elected on nomination by the Alumni

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Elbert C. Cole
Robert D. Proctor
Paris Fletcher
L. Douglas Meredith
Arnold R. LaForce
Fred P. Lang (Alternate)
George H. V. Allen (Emeritus)

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Carleton H. Simmons
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Arnold R. LaForce
Raymond J. Saulnier
William S. Youngman
Horace S. Ford (Emeritus)
George H. V. Allen (Emeritus)
Hall P. McCullough (Emeritus)

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Paris Fletcher
Moses G. Hubbard
Hamilton Shea
Robert T. Stafford
Horace S. Ford (Emeritus)

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Foster R. Clement, Jr.
L. Douglas Meredith
Anthony G. L. Brackett
Marian G. Cruikshank

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Carleton H. Simmons
Mrs. J. Howard Howson
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Raymond J. Saulnier

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Robert D. Proctor
Moses G. Hubbard
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Alexander Hamilton Fulton (Alternate)
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Carroll Rikert, Jr.*

Battell Forest and Park

Stewart Ross
Robert T. Stafford
Alexander Hamilton Fulton
Walter H. Cleary (Emeritus)

Law

Moses G. Hubbard
Edwin S. S. Sunderland
Robert T. Stafford
William S. Youngman
Walter H. Cleary (Emeritus)
Hall P. McCullough (Emeritus)

*Ex-officio

The first person listed is the chairman

Budget

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President James I. Armstrong*
Carroll Rikert, Jr.*
Fred P. Lang
Paris Fletcher
L. Douglas Meredith

Honorary Degrees

Edwin S. S. Sunderland
Raymond J. Saulnier
Joseph P. Kasper
Carleton H. Simmons
William S. Youngman
Mrs. Joseph K. Milliken (Emerita)

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Egbert C. Hadley
Fred P. Lang
Carleton H. Simmons
Stewart Ross
L. Douglas Meredith

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Raymond J. Saulnier
Foster R. Clement, Jr.
Anthony G. L. Brackett
Hamilton Shea

Conference

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Moses G. Hubbard
Mrs. J. Howard Howson
Joseph P. Kasper
Robert D. Proctor

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Stewart Ross
Fred P. Lang
Joseph P. Kasper
Carleton H. Simmons
Hamilton Shea

Porter Hospital

Stewart Ross
Elbert C. Cole
Leon S. Gay
Moses G. Hubbard
Marian G. Cruikshank
Carroll Rikert, Jr.*
Walter E. Brooker*

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President James I. Armstrong*
Fred P. Lang
Paris Fletcher
L. Douglas Meredith

*Ex-officio

The first person listed is the chairman

Library and Abernethy Collection and Flanders Ballad Collection

Edwin S. S. Sunderland
Elbert C. Cole
Mrs. J. Howard Howson
Miss Dorothea E. Higgins
Anthony G. L. Brackett

Walker Furlough and Emergency Fund

President James I. Armstrong*
Carroll Rikert, Jr.*
John G. Bowker†

*Ex-officio †Member of the Faculty The first person listed is the chairman

Academic Administration and Staff

JAMES ISBELL ARMSTRONG, PH.D. President (1963)	3 South Street
WALTER ERIC BROOKER, A.B. Vice President and Director of Development Program (1956)	35 South Street
JOHN GERALD BOWKER, ED.M., L.H.D. Dean of the Faculty (1953)	14 Adirondack View
THOMAS HEDLEY REYNOLDS, PH.D. Dean of the College (1964)	Blinn Lane
STEPHEN ALBERT FREEMAN, PH.D., LL.D., L.H.D., LITT.D. Director of the Language Schools (1946) Vice President Emeritus (1943)	24 South Street
MRS. ELIZABETH BAKER KELLY, A.B. Dean of Women (1946)	95 Main Street
GEORGE G. CAREY, A.B., M.A. Assistant Dean of Men (1964)	36 South Street
FRED F. NEUBERGER, A.B. Director of Admissions for Men (1955)	Washington Street Extension
BARBARA ANNA WELLS, A.B., M.A. Director of Admissions for Women (1946)	R.D. 3, Middlebury
EDWARD SOMMERS, A.B. Assistant Director of Admissions for Men (1963)	R.D. 2, Middlebury
MARION ELIZABETH HOLMES, A.B. Registrar (1937)	54 High Street
MRS. ELIZABETH S. CORMIER, A.B. Assistant Registrar (1945)	16 South Street
GORDON CONDIT PERINE, A.B. Director of Alumni Relations and Placement (1951)	22 South Street
MRS. CONSTANCE SHERMAN PATRICK, A.B. Alumnae Secretary (1959)	37 Chipman Park
PETER RANDOLPH DECKER, A.B., M.A. Assistant to the President (1964)	97 Court Street
CHARLES D. BRAKELY, A.B. Assistant to the Director of Development (1964)	5 South Street
LEWELL S. WALKER, M.D. Medical Advisor of the College (1957)	82 Main Street
HANS ROSENSTOCK HUESSY, M.D. Psychiatric Consultant (1963)	Burlington
MRS. ELIZABETH BRISTOL, R.N. Head College Nurse (1958)	Infirmary
GEORGE HAMBRE HUBAN, B.S. Editor, News Letter and Publications (1940)	Washington Street Extension

HORACE PALMER BECK, PH.D. Director of Flanders Ballad Collection (1956)	10 Murdock Court
PATRICIA J. HOKANSON, A.B. Secretary to the President (1963)	R.D. 1, Middlebury
MRS. IRENE E. CLARKE Secretary to the Vice President (1952)	1 South Pleasant Street
MRS. BARBARA FILAN Secretary of the Language Schools (1956)	55 Seminary Street
LYNN W. HINMAN, A.B. Director, Redfield Proctor Hall (1960)	R.D. 3, Middlebury
MAX P. PETERSEN, A.B. Editor, News Services (1962)	50 Shannon Street
MRS. MARTHA G. SYMONDS, A.B. Feature Services Editor (1962)	33 Weybridge Street
JOHN MOYER, A.B. Intern Assistant to the Chaplain (1964)	Hepburn Hall

The Library Staff

JOHN R. MCKENNA, A.B., B.L.S. Librarian (1964)	R.D. 1, Middlebury
LOUISE E. ROBINSON, A.B. Assistant Librarian (1945)	15 Weybridge Street
ELIZABETH MCCULLOUGH, A.B., B.L.S.C. Head of Technical Services (1949)	42 South Street
MRS. LUCY R. EDDY, A.B., B.L.S. Assistant Cataloger (1963)	Ripton
HELEN M. DAVIS, A.B. Assistant Reference Librarian (1961)	Ripton
MRS. ELIZABETH V. MYERS, A.B. Order Librarian (1960)	3 Storrs Avenue
MRS. GRACE S. DAVIS, A.B., M.A., ED.D. Curator of Abernethy Library (1959)	122 South Main Street

Business Administration and Staff

CARROLL RIKERT, JR., M.B.A., C.P.A. Treasurer (1952)	45 South Street
JAMES D. ROSS, M.B.A. Business Manager (1956)	Cornwall
BERNARD R. CARPENTER, B.S. Assistant Business Manager (1961)	8 Hillcrest Road
J. WILBER SMITH Controller of Accounts (1926)	Pulp Mill Bridge Road

MRS. LAURA G. CONLON
Cashier (1943) — 22 High Street

GORDON B. BRIDGES, JR.
Director of Dining Halls and Dormitory Operations (1955) — Gorham Lane

HARVEY N. DRINKWINE
Superintendent of Maintenance and Operations (1956) — Salisbury

CLARENCE R. DAY, B.S., M.S.
Plant Engineer (1958) — 34 South Street

GEORGE J. GILLIS, B.S.
Accountant (1962) — 126 South Main Street

CARL PEABODY, B.S.
College Store Manager (1962) — 29 Chipman Park

MRS. MURIEL LONG REESE, A.B.
Dietitian for Women (1944) — Economics House

LOIS G. THORPE, B.S.
Dietitian for Men (1950) — Hillcrest Hall

MRS. RUTH E. LEONARD
Secretary to the Treasurer (1957) — Brandon

GEORGE J. COMMINS
Supervisor of Custodial Personnel (1963) — Rutland

The Coaching Staff

WALTER J. NELSON, B.S.
Director of Intercollegiate Athletics, varsity football coach, varsity and freshman golf coach (1932)

ROBERT R. SHEEHAN, A.B.
Freshman football coach, varsity and freshman ski coach, freshman baseball coach (1945)

ERKKI W. MACKEY, B.S.
Assistant football coach, freshman basketball coach, varsity and freshman track coach (1956)

JOSEPH J. MORRONE, JR., B.S., ED.M.
Varsity soccer coach, freshman hockey coach, varsity lacrosse coach (1959)

WENDELL F. FORBES, A.B.
Assistant football coach, varsity hockey coach, varsity baseball coach (1962)

JAMES G. ALAIMO, A.B.
Freshman soccer coach, varsity basketball coach, freshman lacrosse coach (1964)

RICHARD W. WATERMAN
Athletic Trainer (1956)

Faculty

JAMES ISBELL ARMSTRONG, A.B. AND PH.D., PRINCETON
President, and Professor of Classics (1963) — 3 South Street

JOHN GERALD BOWKER, B.S., TUFTS; ED.M., HARVARD; L.H.D., TUFTS
Dean of the Faculty (1953)
Baldwin Professor of Mathematics (1926) — 14 Adirondack View

THOMAS HEDLEY REYNOLDS, A.B., WILLIAMS; PH.D., COLUMBIA
Dean of the College (1964)
Professor of History (1949) — Blinn Lane

JAMES GERALD ALAIMO, A.B., BROWN
Instructor in Physical Education for Men (1964)

KARL L. ANDERSON, B.S., MOUNT ALLISON; PH.D., HARVARD
George Adams Ellis Professor of Economics (1957) — Pleasant View Terrace

JOHN THAYER ANDREWS, A.B., AMHERST; M.A., HARVARD
Professor of Philosophy (1936) — 57 South Street

ROBERT ARNOLD, A.B., M.A., HARVARD
Visiting Lecturer in English (1964) — Brandon

N. LLOYD AXWORTHY, A.B., UNIVERSITY OF MANITOBA; M.A., PRINCETON
Instructor in Political Science (1964)

GEORGE WILBON BAHLKE, A.B., UNIVERSITY OF CHICAGO AND SWARTHMORE; M.A., UNIVERSITY OF CHICAGO; PH.D., YALE
Assistant Professor of English (1961) — 123 South Main Street

BREWSTER BALDWIN, A.B., WILLIAMS; PH.D., COLUMBIA
Associate Professor of Geology (1958) — R.D. 1, Middlebury

DONALD HENRY BALLOU, A.B., YALE; PH.D., HARVARD
Professor of Mathematics (1942) — 27 Weybridge Street

HORACE PALMER BECK, A.B. AND PH.D., UNIVERSITY OF PENNSYLVANIA
Associate Professor of American Literature (1956) — 10 Murdock Court

PETER BERNDT, A.B., MORAVIAN
Instructor in German (1963) — 10 Weybridge Street

RONALD R. BIELLI, B.S. AND M.A., UNIVERSITY OF VERMONT
Lecturer in Mathematics (1956) — 5 Storrs Avenue

LESLIE COLE BIGELOW, A.B. AND PH.D., HARVARD
Associate Professor of Philosophy (1952) — 15 Chipman Heights

CLAUDE LOUIS BOURCIER, AGRÉGÉ DE L'UNIVERSITÉ, PARIS
Professor of French (1937); Dean of the French Summer School (1947) — 11 Adirondack View

FREDERICK BECHTEL BOWMAN, A.B., WOOSTER; PH.D., UNIVERSITY OF SOUTHERN CALIFORNIA
Associate Professor of Speech and Director of Debate (1952) — Stewart Hall

MAJOR RICHARD A. BURR, A.B., HARVARD
Assistant Professor of Military Science, R.O.T.C. Unit (1962) — R.D. 3, Middlebury

JOHN FRANCIS BUTLER, A.B., AMHERST; M.A., BROWN
Lecturer in English (1961) — 120 South Main Street

ALAN CARTER, MUS. D., UNIVERSITY OF VERMONT
Professor of Music (1939) — 38 Seminary Street

WILLIAM B. CATTON, A.B., M.A., UNIVERSITY OF MARYLAND; PH.D., NORTHWESTERN UNIVERSITY
Associate Professor of History (1964)

CATHERINE CENTENO (MRS.), B.S. AND M.A., MIDDLEBURY
Lecturer in Spanish (1949) — 105 South Main Street

JAMES G. CHAPMAN, B. MUS. AND M. MUS., UNIVERSITY OF MICHIGAN
Instructor in Music (1959) — 2 South Street

CHUNG-YING CHIH, B.S., NAT'L TSING HUA UNIVERSITY; PH.D., UNIVERSITY OF CALIFORNIA
Associate Professor of Physics (1954) — 77 Main Street

JOHN H. CLAGETT, B.S., U. S. NAVAL ACADEMY; PH.D., YALE
Associate Professor of English (1955) — Locust Lane

PETER J. CONEY, A.B., COLBY; M.S., UNIVERSITY OF MAINE; PH.D., UNIVERSITY OF NEW MEXICO
Assistant Professor of Geology (1964) — 38 College Street

REGINALD LANSING COOK, A.B., M.A., LITT.D., MIDDLEBURY; A.B., OXFORD
Professor of American Literature (1929)
On leave first semester, 1964–65 — Pulp Mill Bridge Road

JOHN V. CRAVEN, A.B., BOWDOIN; PH.D., SYRACUSE
Associate Professor of Economics (1956) — Gorham Lane

PAUL MARSDEN CUBETA, A.B., WILLIAMS; PH.D., YALE
Professor of English (1952)
Assistant Director of the Bread Loaf Writers' Conference (1956) — 39 Seminary Street

ALBERT HUNTER EWELL, JR., A.B., HAVERFORD; PH.D., NEW YORK UNIVERSITY
Associate Professor of Psychology (1952) — 28 Weybridge Street

MISCHA HARRY FAYER, A.B., UNIVERSITY OF MINNESOTA; PH.D., COLUMBIA
Professor of Russian, Director of the Russian Summer School (1943)
On leave first semester, 1964–65 — Pulp Mill Bridge Road

ROBERT L. FERM, A.B., WOOSTER; B.D., M.A., PH.D., YALE
Visiting Associate Professor of Religion (1964) — 135 South Main Street

WENDELL FORBES, A.B., MIDDLEBURY
Assistant Professor of Physical Education for Men (1962) — Halladay Road

ABBOT S. GAUNT, A.B., AMHERST; PH.D., UNIVERSITY OF KANSAS
Instructor in Biology (1963)

ROBERT WILLARD GLEASON, A.B., MIDDLEBURY; PH.D., M.I.T.
Assistant Professor of Chemistry (1960) — 31 Weybridge Street

SAMUEL GUARNACCIA, A.B. AND M.A., MIDDLEBURY
Professor of Spanish (1940)
Dean of the Spanish Summer School (1947)
On leave 1964–65 — R.D. 1, Seymour Street

RUDOLPH K. HAERLE, JR., A.B., DARTMOUTH; M.A., UNIVERSITY OF CHICAGO
Instructor in Sociology-Anthropology (1962) — 44 Shannon Street

GRANT HOPKINS HARNEST, A.B., KNOX; PH.D., UNIVERSITY OF VIRGINIA
Professor of Chemistry (1943) — 125 South Main Street

WILLIAM HARRIS, A.B. AND PH.D., HARVARD
Associate Professor of Classics (1956) — R.D. 1, Seymour Street

ARTHUR KELLY DAVID HEALY, A.B., PRINCETON; M.F.A., PRINCETON SCHOOL OF ARCHITECTURE
Professor of Fine Arts (1943) — R.D. 1, Middlebury

URSULA MARGARETE HEIBGES, A.B., CATHOLIC UNIVERSITY OF AMERICA; M.A., COLUMBIA; PH.D., BRYN MAWR
Instructor in Classics (1961) — 3 Storrs Avenue

HAROLD BRADFORD HITCHCOCK, A.B., WILLIAMS; PH.D., HARVARD
Professor of Biology (1943) — Locust Lane

CHARLES LEONARD HOAG, A.B., ALBION; PH.D., CLARK
Professor of Political Science (1947) — 89 Weybridge Street

JOHN ROWLAND ILLICK, A.B., SYRACUSE; PH.D., HARVARD
Professor of Geography (1946) — 1 Springside Road

MARA ISAKS, A.B., INDIANA UNIVERSITY; M.A., UNIVERSITY OF SOUTHERN CALIFORNIA
Instructor in German (1964)

JOHN JOSEPH KELLY, A.B. AND M.A., MIDDLEBURY
Professor of Physical Education for Men (1936) — 95 Main Street

TATIANA SOKOLOVA KELLY (MRS.), A.B., UNIVERSITY OF PITTSBURGH
Lecturer in Russian and Directress of Russian Section, Allen Hall (1964) — Allen Hall

VISVALDIS VARNESIS KLIVE, A.B., WITTENBERG; M.A., COLUMBIA; B.D., UNION THEOLOGICAL SEMINARY; PH.D., COLUMBIA
Assistant Professor of Philosophy (1959) — 105 South Main Street

MARJORIE E. LAMBERTI, A.B., SMITH; M.A., YALE
Instructor in History (1964) — 7 Weybridge Street

FRANK G. LANE, B.S., M.I.T.; M.D., UNIVERSITY OF VERMONT
Director of Teacher Training and Lecturer in Mathematics (1964) — Cornwall

SUZANNE LEVACHER (MME.), LICENCE-ÈS-LETTRES C.A.P.E.S.
Instructor in French and Directress of Le Château(1964) — Le Château

MARY ELIZABETH LICK, A.B., LAKE ERIE; M.S., SMITH
Associate Professor of Physical Education for Women (1956) — 125 South Main Street

DAVID J. LITTLEFIELD, A.B., SPRING HILL; M.A., AND PH.D., YALE
Assistant Professor of English (1959) — 46 Shannon Street

ERKKI W. MACKEY, B.S., SPRINGFIELD
Assistant Professor of Physical Education for Men (1956) — 45 Seminary Street

VINCENT HERSCHEL MALMSTRÖM, A.B. AND PH.D., UNIVERSITY OF MICHIGAN
Associate Professor of Geography (1958) — R.D. 3, Middlebury

EDWARD ALEXANDER MARTIN, A.B., PRINCETON; M.A., PH.D., COLUMBIA
Assistant Professor of English (1961) — 4 Hillcrest Road

ROBERT D. MARTIN, A.B. AND M.A., HARVARD
Instructor in History (1963) — 6 Hillcrest Road

PILAR MARTINEZ, LICENCIATURA EN LETRAS, UNIVERSITY OF MADRID
Instructor in Spanish (1962)
Directress of Spanish Section, Allen Hall — Allen Hall

JOHN REDMOND MCKENNA, A.B., QUEENS; B.L.S., MCGILL
Librarian (1964) — R.D. 1, Middlebury

LOCKWOOD MERRIMAN, A.B., HARVARD; M.A., COLUMBIA
Associate Professor of English (1947) — 12 Hillcrest Road

MARIO MOFFA, A.B. AND M.A., UNIVERSITY OF ALABAMA
Instructor in Spanish (1964)

JOSEPH J. MORRONE, JR., B.S., UNIVERSITY OF MASSACHUSETTS; ED.M., WORCESTER STATE
Assistant Professor of Physical Education for Men (1958) — 70 Court Street

WALTER ALLEN MOYER, JR., B.S., PHILADELPHIA COLLEGE OF PHARMACY; PH.D., UNIVERSITY OF DELAWARE
Associate Professor of Chemistry (1951) — 9 Adirondack View

ROBERT BRUCE MUIRHEAD, II, B.F.A., RHODE ISLAND SCHOOL OF DESIGN; M.F.A., BOSTON UNIVERSITY
Instructor in Fine Arts (1964)

HOWARD MCCOY MUNFORD, B.S., MIDDLEBURY; PH.D., HARVARD
Professor of American Literature (1941) — 41 South Street

PAUL E. NELSON, A.B., AUGUSTANA; M.A., UNIVERSITY OF CHICAGO
Instructor in Political Science (1963) — 105 South Main Street

WALTER JOHN NELSON, B.S., MIDDLEBURY
Professor of Physical Education for Men;
Director of Intercollegiate Athletics (1932) — Pulp Mill Bridge Road

WERNER NEUSE, PH.D., UNIVERSITY OF GIESSEN
Professor of German (1932); Director of the German Summer School (1949) — 21 South Street

BERTHE O. NORMANO (MRS.), GRAD., WOMEN'S UNIVERSITY OF PETROGRAD
Lecturer in Russian (1960) — 3 Storrs Avenue

VICTOR LAWRENCE NUOVO, A.B., HOPE; B.D., NEW BRUNSWICK THEOLOGICAL SEMINARY; PH.D., COLUMBIA
Instructor in Religion (1962) — 66 Shannon Street

NORMAN W. OFSLAGER, A.B., M.A., OHIO UNIVERSITY; PH.D., CORNELL
Associate Professor of Sociology-Anthropology (1963) — 3 Benedict Lane

SAMUEL F. ORTH, JR., A.B., MIDDLEBURY; M.A., BROWN
Instructor in Russian (1964) *First Semester (1964–65)*

RAFAEL OSUNA, LICENDIADO EN FILOSOFIA Y LETRAS, UNIVERSITY OF MADRID
Instructor in Spanish (1964) — 7 Weybridge Street

ROBERT PACK, A.B., DARTMOUTH; M.A., COLUMBIA
Assistant Professor of English (1964) — Cornwall

ROBERT W. PARKER, A.B., MIDDLEBURY; M.A., COLUMBIA
Instructor in English (1960)
On leave 1964–65 — 135 South Main Street

MAJOR GEORGE H. PATRICK, III, B.S., PENNSYLVANIA MILITARY COLLEGE
Professor of Military Science, R.O.T.C. Unit (1961) — 37 Chipman Park

LAURIE M. PERRY, A.B., WESTERN STATE COLLEGE OF COLORADO; M.A., MIDDLEBURY
Assistant Professor of Spanish (1964)

BRUCE BIGELOW PETERSON, A.B., MIDDLEBURY; PH.D., SYRACUSE
Assistant Professor of Mathematics (1962) — 4 Storrs Avenue

EDWIN L. POOL, B.S. AND PH.D., IOWA STATE
Associate Professor of Chemistry (1954) — Rogers Road

CHANDLER ARMSTRONG POTTER, A.B., AMHERST; M.F.A., YALE
Lecturer in Drama and Designer for the Theatre (1956) — 18 Springside Road

CAPT. RICHARD POWELL, A.B., MIDDLEBURY
Assistant Professor of Military Science, R.O.T.C. Unit (1963) — 3 Chipman Park

HENRY BEALL PRICKITT, A.B., AMHERST; PH.D., HARVARD
Associate Professor of English (1948) — Blinn Lane

DAVID L. PROUTY, A.B., COLGATE; PH.D., TULANE
Assistant Professor of Psychology (1959) — 3 Storrs Avenue

ROBERT F. REIFF, A.B., UNIVERSITY OF ROCHESTER; PH.D., COLUMBIA
Associate Professor of Fine Arts (1958) — Gorham Lane

ORLAND BRUCE REYNOLDS, B.S., COLLEGE OF IDAHO; PH.D., BOSTON UNIVERSITY
Assistant Professor of Biology (1962) — Gorham Lane

E. KIRK ROBERTS, A.B., EARLHAM; PH.D., HARVARD
Associate Professor of Chemistry (1952) — 46 High Street

BRUNO MORITZ SCHMIDT, A.B., WILLIAMS; M.A., YALE
Professor of Geology (1925) — 16 Chipman Park

NORMAN B. SCHWARTZ, A.B., CITY COLLEGE OF NEW YORK; M.A., UNIVERSITY OF PENNSYLVANIA
Instructor in Anthropology (1962) — 43½ South Street

CHARLES POWELL SCOTT, A.B., OHIO STATE; B.D., PRINCETON THEOLOGICAL SEMINARY
Chaplain and Associate Professor of Religion (1951) — 6 Storrs Avenue

ROBERT R. SHEEHAN, A.B., MIDDLEBURY
Assistant Professor of Physical Education for Men (1945) — R.D. 1, Middlebury

DAVID KINGSBURY SMITH, A.B., MIDDLEBURY; PH.D., HARVARD
Professor of Economics (1950) — Chipman Heights

PETER GATES SNYDER, A.B., YALE; M.A., WESLEYAN
Instructor in English (1963) — 7 Weybridge Street

CAPT. CHARLES B. SPAULDING, A.B., UNIVERSITY OF VERMONT
Assistant Professor of Military Science, R.O.T.C. Unit (1963) — 41 Chipman Park

HOLLINS MCKIM STEELE, JR., A.B., PRINCETON; M.A., COLUMBIA
Instructor in History (1961) — 43 South Street

FREDERIC WASHBURN SWIFT, A.B. AND M.A., HARVARD; M.A., NEW YORK UNIVERSITY
Lecturer in Psychology (1956) — 77 Main Street

HARRIS E. THURBER, A.B., UNIVERSITY OF VERMONT; PH.D., PRINCETON
Associate Professor of Political Science (1951) — 14 Elm Street

PARDON E. TILLINGHAST, A.B., BROWN; PH.D., HARVARD
Associate Professor of History (1947) — 6 Adirondack View

JOAN LOUISE TOWNE, B.S., SKIDMORE; M.S., SMITH
Assistant Professor of Physical Education for Women (1960) — Box 1030, East Middlebury

JEAN ANTOINE VADON, LICENCE-ES-LETTRES, DIPLOME D'ETUDES SUPERIEURES C.A.P.E.S.
Instructor in French (1962) — 19 Chipman Park

ERIE THEODORE VOLKERT, A.B., LAWRENCE; M.A., NORTHWESTERN
Professor of Drama and Director of the Theatre (1941) — 54 North Pleasant Street

PETER WALTON, A.B., WILLIAMS
Lecturer in Fine Arts (1947) *First semester* — Morningside Drive

JAMES MAYER WATKINS, A.B., PENNSYLVANIA STATE; M.A., MIDDLEBURY
Associate Professor of French and
Director of the Language Laboratory (1958) — 81 Weybridge Street

JOHN T. WENDERS, A.B., AMHERST; M.A., UNIVERSITY OF HAWAII
Instructor in Economics (1963) — 33 Chipman Park

BENJAMIN FRANKLIN WISSLER, B.S., MUHLENBERG; M.A., COLUMBIA; D.SC., MUHLENBERG
Professor of Physics (1930) — 23 Weybridge Street

KLAUS HEINRICH WOLFF, A.B., WABASH; PH.D., UNIVERSITY OF CHICAGO
Assistant Professor of Economics (1956) — Locust Lane

HOWARD EUGENE WOODIN, B.S., UNION; PH.D., PURDUE
Associate Professor of Botany (1953) — R.D. 3, Middlebury

GLORIA M. YOUNG, B.S., UNIVERSITY OF PENNSYLVANIA
Instructor in Physical Education for Women (1963) — Locust Lane

Assistants in Instruction

HEIKE AREND	Assistant in German
PAUL M. AUSTIN, B.S.	Assistant in Physics
ELISABETH BARD, D.E.S.	Assistant in French
ROBERT B. BROWNE, A.B., M.A.	Assistant in Music
GEORGE M. CHRISTOPHER, A.B.	Assistant in Biology
SANDRA L. GAUNT (MRS.), A.B.	Assistant in Biology
BETSY H. GLEASON (MRS.), A.B.	Assistant in Teacher Training
JOHN C. MOYER, A.B.	Assistant in Religion
BETTY K. THURBER (MRS.), A.B.	Assistant in Teacher Training
JACQUELINE R. VADON (MRS.), C.A.P.E.S.	Assistant in French

Emeriti

DOUGLAS STOWE BEERS, PH.D.
Professor Emeritus of English (1925) — Middlebury

LÉA ZOE BINAND, BREVET SUPÉRIEUR
Assistant Professor Emerita of French (1929) — France

WALTER THOMPSON BOGART, PH.D.
Professor Emeritus of Political Science — Middlebury

ARTHUR MILTON BROWN, A.B.
Professor Emeritus of Physical Education (1918) — Moravia, New York

ALFRED MITCHELL DAME, M.A.
Professor Emeritus of Latin and Greek (1928) — Palm Beach, Florida

STEPHEN ALBERT FREEMAN, PH.D., LL.D., L.H.D., LITT.D.
Professor Emeritus of French (1925)
Vice President Emeritus (1943) — Middlebury

BURT ALDEN HAZELTINE, M.A.
Professor Emeritus of Mathematics (1924) — Wellfleet, Massachusetts

ROBERT DUGALD HOPE, LL.B.
Assistant Treasurer of the Corporation, Emeritus (1914) — Middlebury

SAMUEL EARL LONGWELL, PH.D.
Professor Emeritus of Biology (1919) — St. Petersburg, Florida

LAILA ADELAIDE MCNEIL, A.B.
Librarian Emerita (1913) — St. Johnsbury

PERLEY CHESMAN PERKINS, A.B., M.A.
Professor Emeritus of English (1923) — Middlebury

JAMES STUART PRENTICE, M.A.
Professor Emeritus of Economics (1931) — Carlisle, Pennsylvania

DUANE LEROY ROBINSON, M.A.
Professor of Languages & Editor of General Catalogue, Emeritus (1906) — Middlebury

RUSSELL GEORGE SHOLES, M.A.
Professor Emeritus of Sociology (1927) — Middlebury

SAMUEL SOMMERVILLE STRATTON, PH.D., LL.D., D.C.L.
President Emeritus (1943) — Middlebury

PHELPS NASH SWETT, B.S., M.A.
Professor Emeritus of Geography & Drafting (1909) — Middlebury

RUTH WOOD TEMPLE, A.B.
Assistant Dean Emerita of Women (1922) — Rutland

VIOLA CHITTENDEN WHITE, PH.D.
Curator Emerita of Abernethy Library (1933) — Middlebury

EDGAR JOLLS WILEY, B.S., ED.M.
Director Emeritus of Placement and Alumni Relations (1913) — Phoenix, Arizona

The College

THE HISTORY OF MIDDLEBURY COLLEGE

Middlebury College was an indigenous product of 19th century democracy, financed from the thin purses of local citizens, and expressive of multiform culture brought from southern New England.

A miller, two lawyers, a doctor, and a President of Yale University conceived the first plan for Middlebury College on the night of September 30, 1798. The miller was Gamaliel Painter, whose name the oldest college building in Vermont still bears; the lawyers, Seth Storrs, donor of the campus of the men's college, and Samuel Miller, who entertained the group at this original meeting; the doctor, Darius Matthews, a probate judge as well as physician; and the Yale President, the great Timothy Dwight.

Some thirty log cabins and frame houses, surrounded by wilderness, comprised the settlement at Middlebury in 1798. No road had yet been built to the pioneer village. The State of Vermont as a part of the Union was only seven years old and its Legislature still roved from town to town for its annual meeting. Grist and saw mills, a few shops for mechanics and blacksmiths, a rough inn and a brewery offered the principal commercial accent to the village. Not even a church had been constructed. Still the establishment of a college as well as a grammar school seemed imperative to these immigrants from Connecticut.

President Dwight, in his visit of a single night, helped to outline a plan for procedure, but it took two years to persuade the Legislature that the request for founding a college in this wilderness should be honored. A charter was finally granted on November 1, 1800, and Jeremiah Atwater, a Yale graduate, appointed President; seven students were admitted the following day and Middlebury was under way, lodged in a building just completed for the Addison County Grammar School. President Atwater and one tutor comprised the entire administrative and teaching staff. Under them the first student was graduated in August, 1802.

Greek and Latin were the core of the curriculum in those early years. Mathematics—ranging from "vulgar arithmetic" to trigonometry—history, geography, natural philosophy, astronomy, rhetoric, law, logic, metaphysics, and ethics rounded out a four-year program, with vocational purpose noted in such courses as navigation and surveying. A disciplinary system, based on the temper of the law of Moses and the text of Yale College rules and regulations, kept a student's nose to the academic grindstone. As occasion for new rules of conduct arose, they were properly phrased, and appropriate fines attached. Students were their own janitors, laid their own hearth fires, lugged their water from outdoor cisterns, often cooked their own meals. Daily chapel prayers before dawn began the day and a daily chapel service at dusk ended it.

It was distinctly a man's college. Women were not even admitted inside

the rail fence which surrounded the campus protectively. Yet the village of Middlebury did not neglect the education of women. Within three years after the men's college was started, a "Female Academy," one of the first in America, was established here; and it was in Middlebury that Emma Hart Willard opened her first school for girls in a building now owned by the College, and wrote what has been called the *Magna Carta* for higher education of women. Although the College did not become co-educational for over eighty years after it was founded, the tradition for women's education was strongly fixed at an early date. In spite of repeated earlier appeals, women were not admitted until 1883, after the alumni had petitioned for the change. Joseph Battell gave the College the land for the women's campus in 1909.

The Middlebury College Summer Language Schools of English, French, German, Italian, Russian, and Spanish, which began with a German session in 1915, have achieved international reputation. The foreign language schools were pioneers in the development of specialized summer schools for the study of modern languages under a faculty of native instructors. The Bread Loaf School of English and the Bread Loaf Writers' Conference have served as models for similar undertakings in various parts of the country. In 1949, the Graduate School of French in France was inaugurated, followed by the Graduate Schools of Spanish in Spain, German in Germany and Italian in Italy.

EDUCATIONAL PURPOSE

Middlebury College believes in the importance of the liberal arts and the liberal sciences. It believes that the central purpose of undergraduate education is the development of the human mind as broadly and as deeply as possible. The most compelling argument for the liberal arts is that besides providing the pleasure of doing something well, they enlarge the intellect and interests and bring an awareness of the concerns and problems of the rest of the community, laying upon men a mandate of reason toward restraint as well as toward freedom. The intrinsic values of liberal study are finally the most important and practical of all; when they appear, they illuminate the possibilities of what it can mean to be an intelligent and responsible human being.

Middlebury College aims to prepare its students through study of the humanities and languages, and through the disciplines of the social and natural sciences, to respond intelligently to an ever-changing social, political, and scientific world. In this liberal environment the student comes to an awareness of his cultural heritage, the relation of his special field to his heritage, an understanding of the physical world in which he lives, and an ability to think analytically and critically.

Middlebury College hopes to unlock the capacities and powers of its students in rational thinking, curiosity, imagination, and sensitivity, and to direct these human energies not only toward education as a continuing process of self-education, but also toward social responsibility and leadership. This

concept rests firmly on the base of an identifiable liberal tradition, a rational philosophy, and a belief that has been cherished and cultivated for 165 years at Middlebury.

LOCATION

Middlebury College is located on a broad hill overlooking a typical Vermont village and a wide sweep of Champlain Valley, with the Green Mountains visible to the east and the Adirondacks to the west. Most of the college buildings are constructed of grey limestone or white marble, their colonial architecture consistent with the mountain setting of the extensive campus.

The campus includes about 250 acres for buildings, athletic grounds, and Otter Creek shoreline, and a mountain campus ten miles to the east. The United States Government maintains an adjacent area, formerly owned by the College, as part of the Green Mountain National Forest. Both tracts are used by students for outings and winter sports.

Middlebury lies halfway between Burlington and Rutland, Vermont. Students not arriving by automobile should come via the New York Central to Albany, N.Y.; or via the Central Vermont to Essex Junction (Burlington); and make bus connections on the Vermont Transit Lines to Middlebury. There is bus service from Montreal, Boston, and New York City on the Greyhound and Vermont Transit Lines. There is also scheduled airline service to Burlington from Boston via Northeast Airlines and from New York and Albany via Mohawk Airlines. Information about the local Middlebury Airport is available in the *Airmen's Guide*. There is no railroad passenger service direct to Middlebury. Baggage can be sent by railway express.

BUILDINGS

Administration Building (1836) The Old Chapel, built of grey limestone and for years used as the chief recitation hall, was completely remodeled in 1941 and turned over to administrative offices. Here are located the Old Chapel Room and the offices of the President, the Vice President, the Deans, the Registrar, the Business Manager, the Cashier, and the Editor of Publications.

Allen Hall (1963) is constructed of slate sculptings from Fair Haven, the home for many years of Cecile Child Allen '01, in whose memory it is named. It houses seventy women students and four house residents and is divided into four separate sections of varying size. In each section is a suite for the resident and a study lounge. Women agreeing to speak German, Russian, or Spanish are assigned to separate sections, each under the direction of a resident speaking that language.

Battell Halls (1950 and 1955) are located on the approach to the Château, and east of Pearsons Hall. They are constructed of grey limestone

and house two hundred and fifty women. The North and South sections of this dormitory house freshmen; the Center section, sophomores and juniors.

Carr Hall (1951), located on College Street east of Forest Hall, is a two-story grey limestone building constructed in memory of Reid Langdon Carr, '01, a former Trustee. The building contains rooms and a large studio for the use of the Fine Arts Department.

The Château (1925) Middlebury College was a pioneer in the plan of the separate language house, where the residents use the foreign language exclusively while in the building. The Château is one of the oldest and still the largest "maison française" in the United States. Its architecture was inspired by the Pavillon Henri IV of the palace of Fontainebleau. The Château contains a large salon and a Salon Louis XVI with authentic panels from the Hotel Crillon in Paris and furnishings of the period; a library, classrooms, offices, a dining room, and rooms for forty-eight women.

Chemistry Building (1913) The Department of Chemistry has its own three-story marble building. Laboratories, lecture rooms, faculty offices and special purpose rooms are located on all three floors as well as in the basement. The library, consisting of 5,400 volumes, is contained within the building on the first and second floors. Inflammable and hazardous chemicals are stored in a separate structure adjacent to the main building.

Economics House (1909) houses the Faculty Lounge; the offices, library, and seminar rooms of the Economics Department; and the Alumni Center, with offices of the Alumni and Alumnae Secretaries and the Placement Bureau.

Forest Hall (1936) is a women's dormitory constructed of grey limestone and containing sixty-three double suites of two rooms and connecting lavatory, attractive reception rooms and dining rooms. It was built with funds derived from the sale of a large acreage of mountain forest to the federal government.

French Residence for Men is a three-story white frame dormitory on a tree-shaded street close to the campus, with accommodations for twenty students, who use French as their means of communication in the house.

Gifford Hall (1940), a five-story grey limestone men's dormitory overlooking the campus, was the memorial gift of the late Mrs. James M. Gifford, widow of a long-time trustee of the College.

Hepburn Hall (1916), the gift of A. Barton Hepburn, '71, is a five-story dormitory of grey brick on one of the highest points of the campus. It was completely renovated and remodeled in 1958–59 as a dormitory for freshman men.

Hillcrest (1918) is a three-story white frame building, housing the offices of the Summer Language Schools and Bread Loaf, the Language Laboratory, and offices of the Foreign Language Division.

Hillside Cottage (1913), on the approach to the Château, houses the College Infirmary, maintained by the College for the care of women students. One of two resident nurses is always in attendance.

Mead Memorial Chapel (1916) This colonial white marble structure of the New England meeting house type, the gift of John A. Mead, '64, stands on the highest eminence of the campus, and the light which shines nightly from its spire is a county landmark. Across its façade are chiseled the words "The Strength of the Hills Is His Also." The chancel has accommodations for a vested student choir and contains a large pipe organ. In the tower is a carillon of eleven bells which are played daily by a student from 5:30 to 6:00 while the College is in session. The small Sunderland Memorial Chapel is used for private devotion and special services.

Munroe Hall (1941) Many of the departments have their classrooms and offices in Munroe Hall, the gift of the late Charles A. Munroe, '96, a former trustee. The interior is modern while the exterior of grey limestone and marble trim conforms with the general colonial architecture of the older buildings.

Music Studio (1925) This brick building of colonial design, the gift of Mrs. Emily Proctor Telfer, houses the studios of the music faculty and rooms for instrumental and vocal practice as well as a larger studio with special listening equipment. The Library contains about 500 scores and 2,500 recordings.

The Observatory (1937) has a revolving dome and a mounted machine-driven Newtonian type 12-inch reflecting telescope, which maintains an unobstructed view of the skies.

Painter Hall (1815) is the oldest college building in Vermont and a fine example of sturdy New England architecture. It bears the name of a founder and first benefactor of the College. Completely remodelled in 1936, it is a dormitory for freshman men.

Pearsons Hall (1911), a marble building of colonial design which commands a view of both the Adirondacks and the Green Mountains, is a dormitory for junior women.

Porter Hospital (1925) is a fireproof brick building with a beautiful view of the Green Mountains, the gift of William H. Porter to the College, for use by the College and the residents of Addison County. In 1960 the building was completely renovated and a substantial wing was added. The Hospital has a 48-bed capacity, modern equipment, graduate nurses always on duty, a resident surgeon, and local physicians on call.

Recitation Hall (1917) is a frame building renovated to provide classroom, laboratory, and storage facilities for the departments of Geography and Psychology.

Redfield Proctor Hall (1960), named in honor of the late Governor Redfield Proctor, trustee and benefactor of the College, is the Dining Hall—Student Center. It contains student lounges and offices, a bookstore, the College Radio Station, the College Print Shop, Offices of the Chaplain, Director of Food Service, and other facilities. The fine large dining room, accommodating four hundred students by counter-buffet service, permits the entire freshman class, both men and women, to eat together during their first year in college.

Social Science House (1898), adjoining the campus on Storrs Avenue, contains seminar rooms and offices of the faculty in the Social Science Division.

Starr Hall (1861) was erected to complete "Old Stone Row"—Painter, Old Chapel, and Starr—and was rebuilt four years later after a fire. It was completely remodeled in 1946 and is a dormitory for freshman men.

Starr Library (1900), including also the Abernethy Library and other collections, is described below.

Stewart Hall (1956) is a modern dormitory of Vermont limestone containing accommodations for one hundred and fifty-two men in double rooms and an apartment for the faculty resident. Located on the upper campus south of Hepburn Hall, it enjoys attractive views of both the Green Mountains and the Adirondacks. It is named in recognition of the Stewart family's long history of service to Middlebury College.

Warner Science Hall (1901) houses the lecture rooms, laboratories, and libraries of Biology, Physics, and Geology. It was built through the benefactions of Ezra J. Warner, '61, as a memorial to his father, once a trustee of the College. The Natural History Museum on the upper floors houses a large collection of fossils of Vermont and the Champlain Valley and a complete series of the flowering plants and ferns of the region. The Physics Department possesses experimental equipment outstanding in a small college. A modern greenhouse has been added to the equipment for the courses in botany.

The Emma Willard House (acquired in 1959), where Emma Hart Willard established her Female Seminary in 1814, is occupied by the offices of the Directors of Admissions and of the Teacher Training Program.

Wright Memorial Theatre (1958), the drama and speech center, includes a 400-seat auditorium, a drama workshop, rehearsal rooms, debate rooms, classrooms and faculty offices. The building is named to honor Charles Baker Wright, Professor of Rhetoric and English Literature at Middlebury from 1885 to 1920.

THE EGBERT STARR LIBRARY

It is the aim of the Library to provide for the intellectual needs of students and faculty, to encourage recreational reading, and to stimulate a love of good books.

Built in 1900 of six kinds of Vermont marble with funds bequeathed by Egbert Starr, the Library's capacity was more than doubled in 1928 by the addition of two wings given by his son, Dr. M. Allen Starr. Additional wings and a remodeling of the main building were completed in 1962.

The collection numbers about 175,000 volumes in all fields of knowledge, plus about 95,000 government documents. Especially noteworthy are the large sections in foreign languages: French, German, Italian, Russian and Spanish. The Library regularly receives over 600 newspapers and periodicals. Students have free access to all the main stacks. During the summer, the Library serves the five Summer Language Schools on the campus as well as the School of English and the Writers' Conference at Bread Loaf.

The Abernethy Library is built around the nucleus of rare books bequeathed by Dr. Julian W. Abernethy and comprises one of the best collections of American literature in the country. It contains over 10,000 volumes in first edition and about 1,000 manuscripts, mainly autograph letters of American authors. The room, furnished by Frank D. Abernethy, brother of the donor, serves the double function of treasure room and reading room.

As part of the Abernethy Library, the Robert Frost Room has 300 volumes of Frost's books and books on Frost, most of them autographed. In addition, chiefly through the efforts of Mrs. Corinne Tennyson Davids, the Collection includes about 2,800 items of such Frostiana as pamphlets and periodicals containing the poet's work, book reviews, news items, photographs, college bulletins, sheet music of his poetry, tape and disc recordings, and original manuscripts.

Another collection unique in its field is the Helen Hartness Flanders Collection of over 9,500 New England items, including Child Ballads, ballads and folk songs of British and American origin, religious songs, fiddle-tunes and call-sets which have been recovered through oral transmission. There are about 4,400 mechanical recordings. Its library contains rare books, broadsides, chap-books, manuscripts, books on folklore as well as American and British regional collections and current folk song journals.

Specialized collections of the Library's books are also housed in the Chemistry Building, Warner Science Hall, Carr Hall, the Château, and the Music Studio.

ATHLETIC FACILITIES

The World War II Memorial Field House (1949) is a building 400 feet by 120 feet, located on South Main Street adjacent to Porter Field and the Fred D. Lang Memorial Field. Accommodations in this building provide for large assemblies, dances, an indoor skating rink with artificial ice, regulation and practice basketball courts, a field cage, badminton, tennis, and volley ball courts, offices and other facilities. The headquarters, offices, rifle range and supply rooms of the R.O.T.C. unit are also located here.

Beyond the Field House is the Middlebury College Golf Course, a nine-hole course owned and operated by the College.

McCullough Gymnasium for Women (1912) is of marble in colonial style and contains facilities for women's indoor athletic activities, body mechanics, and dance as well as arrangements for indoor archery, golf, and battleboard tennis. Offices, lecture room, lounge, and locker room are included. The campus also has a large playing area for women's outdoor sports, field hockey, lacrosse, softball, and golf practice.

The Arthur M. Brown Swimming Pool (1963), meeting N.C.A.A. competition requirements, is for the use of the entire college. It was added to the McCullough Gymnasium through the generosity of Mr. and Mrs. John Kruesi and a bequest of Malcolm T. Anderson, '25.

The Porter Athletic Field of about eighty acres contains a quarter-mile cinder track, a baseball diamond, the football field, and bleachers.

The Fred Davis Lang Memorial Field, situated east of the Memorial Field House, consists of approximately four acres of playing fields available for intramural sports.

Sixteen outdoor tennis courts are located on the campus.

The mountain campus includes the Middlebury College Snow Bowl containing an eight-mile cross-country ski trail, two Poma ski lifts, six slalom and downhill trails and slopes, and two jumps. The 3,185-foot ski lift is the first installed by any college and the 50-meter Gignac Memorial Jump is the largest collegiate jump in the country. The new **Neil Starr Shelter,** which serves as a base building, contains first aid and food service facilities, and a library reading room. Its glass-walled main floor, balcony, and terrace afford a magnificent view of the lifts, slopes, and jumps.

DEVELOPMENT PROGRAM

The long range Development Program, inaugurated in 1954, seeks the additional funds necessary to provide increased teaching resources and academic facilities required to sustain Middlebury's educational objectives.

Pressing physical needs are a new science center and an art-music center. Equally important is the need for increased endowment. Gifts and bequests particularly helpful would be directed in support of increased funds for faculty research, for an improved faculty study and research leave program, for visiting lectureships, for library and fine arts acquisitions, and for scholarships.

The endowment of a professorship is one of the finest and most rewarding contributions that can be made to a college. Necessary funds for such an endowment would range from $400,000 to $500,000. The endowed professorships currently established at Middlebury and the dates of their founding are as follows:

The Burr Professorship of Chemistry and Natural History (1829)
The John C. Baldwin Professorship of Mathematics and Natural Philosophy (1866)
The Levi P. Morton Professorship of Latin and French (1886–87)

The Beman Professorship of Mathematics (1893)
The James B. Jermain Professorship of Political Economy (1901)
The A. Barton Hepburn Women's Professorship (1908)
The George Nye and Anne Walker Boardman Professorship of Mental and Moral Science (1908)
The Paige-Wright Professorship of Economics (1913)
The Fletcher D. Proctor Professorship of American History (1918)
The Henry Norman Hudson Professorship of English (1920)
The A. Barton Hepburn Professorship of Economics (1922)
The John G. McCullough Professorship of Chemistry (1924)
The Julian W. Abernethy Professorship of American Literature (1933)
The Albert D. Mead Professorship of Biology (1949)
The George Adams Ellis Professorship of Liberal Arts (1956)
The Jean Thomson Fulton Professorship of Modern Languages and Literature (1963)

The Administration will be happy to discuss any of its future plans with friends of the College. Forms for gifts and bequests for endowment, general, and specific purposes are as follows:

Forms for Gifts and Bequests

The corporate title of Middlebury College is "The President and Fellows of Middlebury College."

The following forms are suggested:

GENERAL: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . for the uses and purposes of the said Corporation."*

ENDOWMENT: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . to be added to the General Endowment of the said Corporation."*

FOR A SPECIFIC PURPOSE: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . to be known as the . . . . . Fund, the principal to be invested and reinvested in its discretion, and the income therefrom to be used for the purposes of . . . . . If at any time, in the judgment of the Trustees of the said Corporation, the need of income for such purpose no longer exists, the Trustees of the said Corporation shall be, and hereby are, authorized to use the income from the Fund for such purpose as shall in their judgment promote the interests of the College."*

Middlebury College is accredited by the New England Association of Colleges and Secondary Schools, and the Vermont State Department of Education.

Admissions

MIDDLEBURY COLLEGE admits undergraduates for the Bachelor of Arts degree only. Normally, undergraduates are admitted in September and the entering class is limited by the capacity of dormitories.

Since the number of applications from candidates meeting the minimum requirements far exceeds the number that can be accepted, admission to Middlebury is selective. Academic ability and achievement, community citizenship and leadership, character, and personality are considered very important.

A satisfactory certificate of health must be presented before matriculation. Successful candidates are required to fill out medical blanks which are supplied by the College, and no candidate's admission is confirmed until the preparatory record is complete and the health certificate approved.

REQUIREMENTS FOR ADMISSION

The selection of candidates is based on information obtained from the following: (1) the candidate's written application, (2) the secondary school record including rank in class, (3) the recommendation of the School, (4) the College Board Examinations.

Secondary School Preparation. Candidates must be graduates of approved secondary schools and are normally required to present 16 admission units at least 12 of which are "college certification" grade. A unit represents a year's study of a subject in secondary school, the class meeting four or five times a week.

Minimum Entrance Requirements:

English	4 units
A foreign language	2 units
History	1 unit
College preparatory mathematics	3 units
Laboratory science	1 unit
	11 units
Other academic subjects	5 units
Total	16 units

General Science is not accepted as satisfying the laboratory science requirement. Credit may be allowed for it as an elective if an acceptable laboratory science course is also offered. No entrance credit is allowed for less than two years of a foreign language.

Advanced Standing. Students taking college level courses in high school may be considered for advanced standing in one or more courses at Middle-

bury. The candidate must take the appropriate Advanced Placement Test administered by the College Board to be eligible for Advanced Standing with credit.

College Board Examinations. All candidates for admission are required to take the Scholastic Aptitude Test of the College Entrance Examination Board and three Achievement Tests, including the one in English Composition. A student unable to obtain the application forms from a secondary school should write directly to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey, requesting the Bulletin of Information and directions for filing the application. Unless applying under the Early Decision Plan candidates should take the College Board Tests in December or January of the senior year.

PROCEDURE FOR ADMISSION

Inquiries regarding admission should be addressed to the Director of Admissions for Men or the Director of Admissions for Women. Application forms will be furnished on request. Application papers must be accompanied by an application fee of $15. This fee is not refundable and will not be applied to term bills. The right is reserved to close the application list to candidates on January 15. All applicants will be notified of the action on their applications by April 20.

A personal interview is a desirable part of the admissions procedure at Middlebury. A visit to the College for this purpose may be made between May of the junior year in secondary school and the middle of the senior year.

Early Decision Plan. Candidates for admission may request an early decision on the basis of credentials through the junior year. Applications for this plan will be accepted until October 1 from students with strong secondary school records who have done well on College Board Scholastic Aptitude and Achievement Tests. In addition each must agree to make no other college applications until notified of Middlebury's decision about December 1. Further information and the request blank should be obtained from the Director of Admissions.

TRANSFERS

Only a limited number of students can be accepted into the sophomore and junior classes by transfer from other colleges and universities. All such students must come from approved institutions of collegiate rank. Candidates for admission with advanced standing should write to the Director of Admissions (Men or Women) for detailed information and application forms.

Curriculum

MIDDLEBURY COLLEGE confers one undergraduate degree, Bachelor of Arts. It also confers the graduate degrees, Master of Arts, Master of Science, and Doctor of Modern Languages.

UNDERGRADUATE WORK

The purpose of the liberal arts curriculum is to give every student a detailed knowledge of the work covered in at least one subject, and to correlate it with a broad understanding of the liberal arts and the liberal sciences. To achieve the scholarship which this objective implies, students work intensively in one or more departments and complete requirements and electives in fields outside of their specialization.

The extent of a student's academic work at Middlebury College is reckoned in credits and courses. A credit means one period of class work per week for one semester. Most courses meet three hours a week and yield three credits. Some courses, however, require laboratory work in addition to class work and, where specified, carry four credits.

The normal program of study for each student is four or five courses. Freshmen are required to elect five courses in addition to Physical Education, and R.O.T.C. for men. Upperclassmen normally elect four or five courses and must elect at least thirteen credits per semester unless a lighter program is specifically approved by the Dean and by the Chief Adviser. An upperclassman wishing to carry more than sixteen credits, excluding basic R.O.T.C., must (1) have had an average of 80 or above during the previous semester, or (2) have permission of the Dean and of the Chief Adviser, or (3) be in his senior year. Independent Study in the student's major counts as three credits per semester in the senior year in determining minimum and maximum loads.

FRESHMAN PROGRAM

Prior to matriculation each freshman is furnished with complete course descriptions and registration cards on which he designates his selection of courses for the first semester. During Freshman Week he meets with his faculty counselor who gives further assistance in planning a course of study.

Every freshman is required to enroll in English Literature (English 12) in addition to Physical Education, and Military Science for men. To complete his academic program, each freshman elects four other courses from those open to freshmen. These courses may either offer a varied intellectual experience or prepare him, at least in part, for advanced work in a special field of knowledge.

The courses open to freshmen, most of which also serve partially to fulfill degree requirements (see below) include introductory courses in Biology,

Chemistry, Geography, Geology, History, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Religion, Sociology, and any of the ancient or modern languages. In general, only those courses numbered from 10 through 19 are open to freshmen. Freshmen enrolled in a course within a department, however, may be assigned to a more advanced course by that department upon demonstration of special proficiency. Freshmen who have taken a modern language in high school and have acquired satisfactory preparation may continue the subject in intermediate courses. Freshmen, qualified by previous work and interest in a field, may elect courses above the freshman level on recommendation of the department concerned, the respective Dean and Director of Admissions, and with the approval of the Chief Adviser. It is advisable that students complete their science requirement during the first or second year.

During the freshman year students consult frequently with their faculty advisers. Freshmen are encouraged to talk with their advisers about any aspect of their academic experience. The adviser will assist in the choice of a field of major concentration which must be made toward the end of the second semester.

MAJOR CONCENTRATION

In registering for his major program the student normally consults the chairman of his chosen department. The chairman appoints a departmental adviser who recommends a pattern of courses for the student's subsequent years.

Departmental major requirements differ, but they all include courses so chosen from the student's department and other departments that they form an integrated and coherent whole and a logical pattern leading to a deepening intellectual experience. In addition to the specific courses required for a particular major, cognate courses may be recommended to further the student's particular academic interests or intentions.

Each department's major program includes a minimum of 30 credits of which six credits are granted for passing the General Examination. Not more than 48 credits in any field may be applied to the 120 credits required for graduation.

Should a student not be satisfied with his first choice of major he may, before the beginning of his fifth semester, change to another major. Prior to the change, however, he should obtain assurance from the department to which the change is contemplated that he will be able to meet its major requirements. After the beginning of the fifth semester a student may change his major only for exceptional reasons and with the consent of the Chief Adviser.

SENIOR PROGRAM

Each senior enrolls for at least ten credits each semester in regularly scheduled courses, Honors, or other individual research in his major depart-

ment. In addition he enrolls in Independent Study in his major department during his entire senior year. Independent Study counts as a course in the major in determining his academic load but it carries no credit and no grades are given. It may include individual reading and research in some area of special interest to the student. Independent Study leads to the General Examination, which is usually taken in May. For successful completion of the General Examination six credits are awarded.

DEGREE REQUIREMENTS

In addition to the freshman and major requirements, certain distribution requirements must be met before the Middlebury College degree is awarded.

1. To be eligible for a degree a student must complete 120 credits of which no more than 48, including the General Examination, may be in any one subject. Only 24 credits with D grade may be applied to the degree requirements.

2. Freshmen may not elect more than one course in a subject in a semester, Sophomores not more than two, and Juniors and Seniors not more than three. The senior Independent Study Program counts as one course in the major.

3. The last two semesters of undergraduate work must be spent in residence in Middlebury, except as provided in the Technical, Medical, and Dental School Plans.

4. Before graduation every student must meet, in addition to freshman requirements, the following Group Requirements:

GROUP A—Two semester courses of a literary and humanistic rather than a technical character. The courses that meet this requirement are marked with § in the listings of the departments of American Literature; English, Drama and Speech; Fine Arts; Music; Philosophy; Religion; Classics; French; German; Russian; Spanish and Italian.

GROUP B—Two semester courses chosen from the social and behavioral sciences. Any course given by the departments of Economics, History, Political Science, Psychology, or Sociology may be used to fulfill this requirement, as may Geography 10.1 and 10.2 and Russian History (in English) 25.2.

GROUP C—Two semester laboratory courses chosen from among the natural sciences and in one of the following departments: Biology, Chemistry, Geology, or Physics.

5. All students must demonstrate proficiency in an ancient or modern foreign language before graduation. Three years of effective language study in secondary school, or two years in college, normally give the required proficiency. This requirement may be met in any one of the following ways:

(a) by a satisfactory score on the College Board Achievement Test, at the third-year secondary school level;

(b) by passing, preferably in the freshman year, a proficiency test prepared by the Middlebury Language Departments, and covering either a speaking or a reading knowledge, at the option of the student;

(c) by passing an intermediate, second-college-year course (designated by †) or a more advanced course in a language previously studied;
(d) by passing a minimum of twelve semester hours in a language, the study of which is started at Middlebury.

6. All students are required to complete four semesters of Physical Education.

SCHOLARSHIP

When a student enters Middlebury College, he becomes a member of an academic community that makes its demands and measures its achievements not so much in terms of time as in terms of the task accomplished. Though he is required to register for a certain number of units each semester, his commitment to his own education will undoubtedly involve many more hours a week in reading, in laboratory work, and in preparation for his classes than he will spend attending classes.

Scholarship is graded on the scale of 100. Grades are interpreted as follows:

A 90 to 100 Excellent
B 80 to 89 Good
C 70 to 79 Fair
D 60 to 69 Passing
F Below 60 Failure

Students who have completed 24 credits successfully are ranked as sophomores; 54 credits, as juniors; 84 credits, as seniors.

SPECIAL PROGRAMS

Combined Professional School Plans. Students normally spend four years at Middlebury before going on to graduate school or to professional schools. However, a student preparing for engineering, architecture, medicine, or dentistry who wishes to limit his education at Middlebury to three years may, under the conditions specified below, transfer at the end of his junior year at Middlebury to an accredited professional school which requires a minimum of two more years of study for engineering, two or three years for architecture, and four years for medicine or dentistry. He may, upon receipt of the professional degree, become eligible, by vote of the Middlebury faculty, for a Middlebury A.B.

For pre-engineering students Middlebury has formal agreements with Columbia University School of Engineering and the Duke University School of Engineering which ensure admission to these schools on a combined five-year course of study. Students wishing to take advantage of these agreements must fulfill the requirements stated below and in addition secure the recommendation of the Pre-Professional Committee.

Students who participate in one of the combined professional school plans and so become eligible for the Middlebury A.B. are required to meet all the conditions stated in (1) and in (2a) or (2b) or (2c) below.

(1) Ninety credits must be completed at Middlebury, in at least 72 of which a grade of 70 must be earned; a combined average of 75 or better must be achieved in the specified courses (exclusive of the electives) in (2a) or (2b) or (2c) below; the freshman, foreign language, and Group A, B, and C requirements must be completed; and the student must rank in the upper half of his class during his fifth and sixth semesters.

(2a) Pre-engineering prescribed courses:

1st year: Chemistry 11.1 and a second semester of Chemistry; Mathematics 12.1, 12.2.

2nd year: Economics 21.1, 21.2; Mathematics 21.1, 21.2; Physics 21.1, 21.2.

3rd year: Mathematics 34.1; Physics 31.1, 32.2; 47.1, 47.2; elective from Group A or Group B above the 11–19 course level.

(2b) Pre-architecture prescribed courses:

1st year: Chemistry 11.1; Mathematics 12.1, 12.2.

2nd year: Economics 21.1, 21.2; Mathematics 21.1, 21.2; Physics 21.1, 21.2.

3rd year: Mathematics 34.1; Physics 31.1, 32.2, 47.1, 47.2; elective from Fine Arts.

(2c) Pre-medical and pre-dentistry prescribed courses:

1st year: Biology 11.1, 11.2; Chemistry 11.1, 19.1.

2nd year: Biology 21.1, 24.2; Chemistry 13.1, 23.2; Mathematics 12.1, 12.2.

3rd year: Chemistry 15.1, 17.2; Physics 21.1, 21.2; elective in Economics, History, or Psychology.

A freshman who desires to participate in one of these plans should notify his adviser of his intentions and arrange his program accordingly. At the end of the freshman year the student reports to the chairman of the Pre-Professional Committee, or the chairman of the Pre-medical and Pre-dental Committee, who assigns him a faculty adviser.

Junior Year Abroad. In these days of increasing cultural exchanges the College permits certain well-qualified students to spend the junior year studying abroad. Students applying for permission to study abroad are judged on two principles: the extent to which they will profit from such study and the impression they will create abroad as representatives of Middlebury College. Ordinarily such students are expected to participate in one of the established foreign study programs. Students in these plans receive credit from Middlebury after submitting proper credentials.

Students may also make individual arrangements for study abroad and may be granted a year's leave of absence from the College. No guarantee of credit is made in advance, and it is the responsibility of the student to present evidence that the work done abroad has been similar in kind and quality to that expected of him at Middlebury.

Students interested in a Junior Year Abroad program should discuss their plans early with their faculty adviser and the Dean.

Critical Languages Cooperative Program. Princeton University has recently established a Cooperative Undergraduate Program for Critical Languages and has invited Middlebury College to participate. The essence of the Program is that a student spends his junior year at Princeton, having acquired at least an elementary knowledge of the language he wishes to study. If the language is not available at Middlebury, he takes an intensive course at an approved summer school before going to Princeton. After the year at Princeton a student may take a second summer of language training before he returns to Middlebury for his senior year and the A.B. degree. The languages available are Arabic, Chinese, Japanese, Persian, Russian and Turkish supplemented by relevant area studies in the humanities and social sciences.

Teacher Training. Middlebury has always prepared teachers for the public and private schools. A special program of guidance for prospective teachers has been organized to help them develop those qualities, personal as well as scholarly and professional, which are most to be desired in effective teachers. Middlebury is one of a group of liberal arts colleges which cooperate with programs at Harvard, Yale, Wesleyan, and other institutions in giving prospective teachers at the secondary and elementary levels a fifth year of study leading to the degree of Master of Arts in Teaching or Master of Education.

Art and Music Transfer Students. A limited number of graduates or advanced students of Art and Music Schools may be admitted to Middlebury by transfer, upon the recommendation of the Fine Arts or Music Departments. As candidates for the A.B. degree they are expected to fulfill all degree requirements either by transfer of credits or by courses taken at Middlebury. Not more than 48 hours of the required 120 may be in the major field. The General Examination may be waived on recommendation of the Department.

R.O.T.C. The Department of Military Science conducts courses in military subjects in accordance with the Army General Military Science curriculum. A prerequisite for graduation for all qualified male students is the successful completion of the two-year basic course. The two-year Advanced Course is elective, and participation is based upon student application and selection by the Military Department. The basic course counts four credits towards graduation and the advanced course counts an additional twelve credits. The objective of the Military Department is to prepare all Advanced Course R.O.T.C. students for a commission in the Regular Army or the Army Reserve.

ACADEMIC HONORS

The College recognizes superior academic achievement in the following ways:

Dean's List. Students who attain an average of 85 or better in their courses at the end of a semester, and who have no grade below 80 are placed

on the Dean's List for the following semester. For students on the Dean's List attendance at classes is at their discretion as long as the quality of their work is maintained.

Phi Beta Kappa. The Middlebury Chapter of Phi Beta Kappa Society is the Beta of Vermont, established in 1868. Students are elected to Phi Beta Kappa by the faculty members of the chapter on the basis of outstanding academic achievement in all fields of their endeavor. Special consideration is given to the attainment of Honors or High Honors in the major department. Students are eligible for election at the beginning of their senior year on the basis of six terms work at Middlebury, or at the end of their senior year on the basis of eight terms work at Middlebury. Students graduating from Middlebury who have transferred from other colleges may be elected on the basis of at least four terms at Middlebury.

Departmental Honors Program. Departmental Honors are awarded upon graduation in recognition of superior performance in the student's major field. See pages 122–123 for description of this program.

Commencement Honors. Commencement honors are awarded for high scholastic rank. The degree of A.B. is conferred *cum laude* upon those who have attained an average rank for their entire work at Middlebury of 85 to 88.99; *magna cum laude* if that rank is 89 to 90.99; *summa cum laude* if it is 91 or above.

Honorary Appointments. The faculty makes honorary Commencement appointments: to the senior attaining highest rank, the appointment of Valedictorian; to the second in rank, the appointment of Salutatorian.

Transfer students are not eligible for these appointments.

Prizes, Scholarships, Fellowships. A number of awards providing honorary or financial recognition of academic achievement have been established. Some of these awards are granted during the student's undergraduate career. Others provide assistance for graduate work. A complete listing of these awards is found on pages 126–134.

GRADUATE WORK

During the academic year, Middlebury College provides graduate courses in the Biology, Chemistry and French departments for students desiring to work toward a Master's degree. Graduate students may be enrolled only if admitted by the Graduate Studies Board. Correspondence should be directed to the head of the department. The courses which are regularly offered for graduate credit are:

Biology: All courses numbered 34.1 or above,

Chemistry: All courses numbered 42.1 or above,

French: All courses numbered 32.1 or above.

Some courses in other departments may, under certain conditions, be raised to graduate level.

The degrees of Master of Arts and Master of Science may be earned by

graduate work completed during the regular college year, or in the Summer Language Schools, in accordance with the following regulations:

1. The candidate must have a baccalaureate degree from Middlebury College, or from another institution whose course of study and requirements for graduation are approved by the Graduate Work Committee.

2. To obtain the degree of Master of Arts, or Master of Science, two full terms in residence and the completion of work equivalent to thirty credits are necessary. This requirement of residence may also be met by attendance at the Summer Language Schools. Two-thirds of the required work must be completed at Middlebury College.

3. Candidates must satisfy the department chairman and the Graduate Work Committee of their fitness to undertake the proposed program of graduate study.

4. Graduate work done in other institutions may be transferred toward the Middlebury degree under certain specific limitations which may be learned from the Committee.

5. Two-thirds of the required work must consist of graduate courses in the department of the major; the remaining one-third may consist of cognate courses of graduate grade prescribed by the department in which the major work is undertaken. A minimum grade of 80 shall be maintained in each course counting toward the degree.

Effective with students beginning graduate work in the summer of 1957, graduate credits earned at Middlebury College toward a Master's degree expire and may no longer be counted toward the Master's degree after ten years have elapsed since the study was done.

6. Tuition fees are the same as those charged for undergraduate work. An additional fee of $15 is required for the diploma.

THE DEGREE OF DOCTOR OF MODERN LANGUAGES

In addition to the Master's degree, Middlebury College offers, through the Language Schools, the advanced degree of Doctor of Modern Languages (D.M.L.). A detailed statement of the requirements for this degree will be sent on request.

THE GRADUATE SCHOOLS ABROAD

Middlebury College conducts Graduate Schools of French in France, of German in Germany, of Italian in Italy, and of Spanish in Spain.

The students spend the academic year on a coordinated program of advanced instruction in linguistics, phonetics, literature, history, the arts and social institutions. These courses are followed in the Faculties or other divisions and institutes, or in specially arranged graduate study, in Paris, Mainz, Florence, and Madrid. The students work under the close guidance and supervision of a resident representative of Middlebury College. At the close of the year, final examinations are administered under his direction, and

the successful candidates receive the Middlebury Master of Arts degree, in addition to any foreign certificates or diplomas which they may earn.

A preliminary summer of preparation at the Middlebury Summer School is normally required, and only those who prove themselves qualified are allowed to enroll. Members of the group make their own arrangements for transportation, board and room, with the advice and guidance of the Middlebury Director. The Director facilitates worthwhile social contacts and assists their plans for travel, visits to museums, and attendance at theatres and concerts. A special bulletin will be sent on request.

Courses

THE DEPARTMENTS OF INSTRUCTION are organized in five Divisions: Humanities, Foreign Languages, Social Sciences, Natural Sciences, Military Science; they are described in this catalogue in the following order:

Division of the Humanities
- American Literature
- English, Drama, and Speech
- Fine Arts
- Music
- Philosophy
- Religion

Division of the Foreign Languages
- Classics
- French
- German
- Russian
- Spanish and Italian

Division of the Social Sciences
- Economics
- History
- Political Science
- Psychology
- Sociology
- Teacher Training

Division of the Natural Sciences
- Biology
- Chemistry
- Geography and Geology
- Mathematics
- Physical Education
- Physics

Division of Military Science

EXPLANATION OF NUMBERS AND SYMBOLS

All courses except Honors (70) courses are given as semester courses, with a final examination at the end of the semester. First-semester courses are usually designated by .1 after the number; second-semester courses by .2. The figures .1 and .2 after the same number for two courses indicate that those two courses are complementary and together form an instructional program. The first course may or may not be prerequisite to the second and it may or may not be required to take both courses. Each semester course carries three credits or semester hours, unless specially indicated otherwise. Courses numbered 70 (Honors) are treated as a unit for the year and give a tentative or "in-progress" grade at mid-years.

Unless otherwise indicated, courses meet three times a week on alternate days. Courses numbered 10–19 are usually taken by freshmen; 20–29, by sophomores; 30–39, by juniors; 40–49, by seniors. Schedules are cleared on this basis and conflicts will thus be most easily avoided.

At the head of each departmental section, the major is described and the requirements for a major in that department are stated, together with recommended courses.

Prerequisites to a course are shown in parentheses. Courses not being offered in 1964–65 are bracketed. Abbreviations include: Lab., laboratory period; Lect., lecture period; E.D.S., English, Drama, Speech. Courses marked § satisfy Group A requirement (Page 35). Courses marked † satisfy the foreign language requirement (Pages 35–36).

The College reserves the right, without further notice, to cancel any courses herein described, or to make any other changes in staff, fees, and courses which may be deemed necessary.

Division of the Humanities

Professor Paul M. Cubeta, Chairman

AMERICAN LITERATURE
ENGLISH, DRAMA AND SPEECH
FINE ARTS
MUSIC
PHILOSOPHY
RELIGION

AMERICAN LITERATURE

Professors: R. L. Cook (*chairman*)*, H. M. Munford†; Associate Professor: H. P. Beck; Assistant Professor: E. A. Martin

The aim of the program in the department of American Literature leading to a major is two-fold: (1) to study the culture of the American people as reflected in their most important writings; and (2) to examine the structure and evaluate the meaning of these writings in the context of the varying social and intellectual backgrounds. The program, which introduces students to key works, authors, and periods of literature at the undergraduate level of awareness, is designed to lead to the graduate level of experience.

Every student must satisfy a minimum requirement of thirty hours in the major. This requirement must include the basic Survey course, the American Novel, four term courses in the department, Independent Study, the General Examination; History 36.1, 36.2, and two period courses in English literature beyond the Freshman English course.

The Independent Study program is conducted by a background reading list and group meetings.

Required for the Major: 21.1, 21.2, 31.1, 31.2; four other semester courses, Independent Study and General Examination, History 36.1, 36.2; and two of the following: English L21.1, L21.2, L31.2.

21.1 American Literature Survey§ Fall

A study in the growth of American literature from the seventeenth century through the first half of the nineteenth century, its emerging socio-economic backgrounds, and the critical significance of its major writers: Edwards, Franklin, Cooper, Irving, Poe, Hawthorne, Emerson, Thoreau, and others.

Staff

21.2 American Literature Survey§ Spring

A study of the major writers from the second half of the nineteenth century to the present, with emphasis on particular works and their relevance to the more important traditions in American literary history. (Am. Lit. 21.1)

Staff

31.1 The American Novel§ Fall

The development of the American novel; the meaning and structure of the novels of the nineteenth century, focussing on particular novels of Cooper, Hawthorne, Melville, Twain, Howells, James, Crane, and Norris. (Am. Lit. 21.1 and 21.2 and permission)

Mr. Munford

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*On leave, first semester
†Acting Chairman, first semester

31.2 The American Novel§ Spring
An analysis of thematic and structural aspects in representative American novels of the twentieth century with concentration on Cather, Dreiser, Lewis, Dos Passos, Hemingway, Faulkner, Fitzgerald, Wolfe, Cozzens, Warren, and others. (Am. Lit. 21.1, 21.2, 31.1 and permission) Mr. Cook

41.1 The American Short Story§ Fall
A study of the development of short prose fiction in America from Washington Irving to the present time. The history of the short story form, techniques, and changing point of view will be considered with special regard to such writers as Melville, Hawthorne, James, Crane, Hemingway, Fitzgerald, and others. (Am. Lit. 21.1 and 21.2 and permission) Mr. Beck

41.2 Emerson, Melville, and Whitman§ Spring
The study in depth of selected works of three major American writers of the nineteenth century, emphasizing their relationship in the context of the time, and their reactions to nature, society, culture, religion, and science. (Am. Lit. 21.1 and 21.2 and permission) Mr. Cook

42.2 Contemporary American Poetry§ Spring
A study of the forms, styles, and theories of twentieth century American poetry, and the explication and evaluation of the poems of Robinson, Frost, Pound, Eliot, Crane, Jeffers, Williams, Stevens, Cummings, Marianne Moore, Robert Lowell, Wilbur, Roethke, and others, including the Imagists and the Fugitives. (Am. Lit. 21.1 and 21.2 and permission) Mr. Munford

44.1 American Biography§ Fall
A study of the growth of the American mind in the context of social and intellectual backgrounds, exemplified in the Puritan biographies and in the autobiographies of Lyman Beecher, Peter Cartwright, U.S. Grant, Henry Adams, Lincoln Steffens, and in the biographies of Lee, Lincoln, Henry Ford, and others. (Am. Lit. 21.1 and 21.2 and permission) Mr. Munford

45.1 and 45.2 Seminar§ Fall and Spring
Intensive study of particular areas of American literary development. The writing of a thesis is required. (Am. Lit. 21.1 and 21.2 and permission) Staff

46.2 Folk Ballads§ Spring
A study of the development of the ballad and related folksongs in America from their European antecedents. Special emphasis will be placed upon the dispersion of ballads, variants, occupational songs and the relationship of the whole to American literature and literary concepts. (Am. Lit. 21.1 and 21.2 and permission) Mr. Beck

50.1 and 50.2 Special Research Courses Fall and Spring
Open to qualified students. (Permission) Staff

ENGLISH, DRAMA AND SPEECH

Professors: E. T. Volkert, P. M. Cubeta; Associate Professors: H. B. Prickitt (*chairman*), L. Merriman, F. B. Bowman, J. H. Clagett; Assistant Professors: D. J. Littlefield, G. W. Bahlke, E. A. Martin, R. Pack; Instructors: R. W. Parker,* P. G. Snyder; Lecturers: C. A. Potter, J. F. Butler; Visiting Lecturer: R. Arnold

Because of the varied nature of the Department's offerings, courses are designated in the following manner:

L	Literature	TA	Theatre Arts
DL	Dramatic Literature	S	Speech

In registration the symbol EDS is used to designate all courses offered by the Department. For example, the first semester of the required freshman course would be designated: EDS L12.1.

The Department offers majors in English Literature and in Drama. Departmental reading lists are provided in each area as a basis for Independent Study and the General Examination.

Required for a Major in English Literature are (1) a choice of two of three period courses: Renaissance Literature (L 31), Eighteenth Century Literature (L 32), and Nineteenth Century Literature (L 22); (2) one seminar course; (3) two additional semesters in literature (L or DL); (4) Independent Study and the General Examination. Recommended are courses in American Literature, Fine Arts, History, Music, Philosophy, and Foreign Literature. Sophomores are encouraged to elect either Nineteenth Century Literature (L 22) or The English Novel (L 24), and American Literature Survey (AL 21). Juniors are encouraged to elect twelve hours or more from among the following: Shakespeare (DL 30), Modern Drama (DL 31), Eighteenth Century Literature (L 32), Classics of Literature (L 33), Contemporary Poetry (L 45.2) and a seminar. In addition to required Independent Study, seniors are encouraged to elect six to twelve hours from among the following: Renaissance Literature (L 31), Honors (L 70), if qualified, and one or two seminars. Each senior is assigned to a faculty member for guidance in Independent Study and pursues a program of study based on the departmental reading list. Seminar offerings vary from year to year. Seminars offered in the past or planned for the immediate future include the following: Literature in the Middle Ages, Chaucer, Spenser, Shakespeare, Jonson and Donne, Milton, Pope and Swift, Pope and the Roman Tradition, Fielding and Jane Austen, Browning, Literary Criticism, Contemporary Poetry, Forster and Lawrence. Juniors and seniors may undertake Special Reading and Research Projects (L 50). (Only courses designated L or DL count toward the maximum of 48 credits permitted in the major.)

The Major in Drama is based on the year-sequence Introduction to Theatre Arts (TA 20) and twelve hours from among the following courses in dramatic literature: Drama to 1870 (DL 21); Shakespeare (DL 30); and Modern Drama (DL 31). These courses provide both an introduction to theatre arts, historical and modern, and a knowledge of the literary heritage of the theatre today. Well-qualified freshmen will be admitted to Introduction to Theatre Arts (TA 20). Further requirements are determined by a student's choice of emphasis: literature and playwriting; acting and directing; or design and production. Either Intermediate Acting and Directing (TA 35.1 and 35.2) or Intermediate Production (TA 36.1 and 36.2) is required and is normally elected junior year.

Playwriting (W 38), a Seminar in Special Studies (TA 40.1), and Advanced Special Studies (T 50) are courses that may be elected for advanced work in the several areas. Independent Study and the General Examination complete the major. The Independent Study program provides an opportunity for exploration of new areas, intensive study in previous considered areas, and review. Twelve three-hour discussion sessions are scheduled during the academic year for considering particular problems in depth.

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*On leave 1964–65

Literature

L 12.1 Introduction to Literature Fall
Close critical reading of the lyric, romance, and drama, primarily in English, with extensive collateral work in related classics in translation. Frequent, short critical papers. (Required of freshmen and a prerequisite for other courses offered by the Department in Literature) STAFF

L 12.2 Introduction to Literature Spring
Critical study of the literary conventions, themes, and techniques of the epic, satire, and novel in English and classical literature. Frequent short, critical papers. (Required of freshmen and a prerequisite for other courses offered by the Department in Literature) STAFF

L 20.1 The Historical Approach to English Literature§ Fall
Major British writers and types studied chronologically with reference to historical events and social backgrounds. From *Beowulf* to the Pearl Poet and Chaucer, through the Fifteenth Century to Spenser, the Elizabethan Lyric, and Shakespeare's History Plays. Mr. MERRIMAN

L 20.2 English Literature and History, 1600–1900§ Spring
The Seventeenth Century as revealed in the writings of Bacon, Jonson, Donne, Milton, Clarendon, Dryden; the Eighteenth Century, in the work of Pope, Fielding, and their contemporaries; the Nineteenth Century, in the work of Wordsworth and Byron, through Dickens, to the post-Victorian, George Bernard Shaw. Mr. MERRIMAN

L 22.1 Prose and Poetry of the Romantic Period§ Fall
A study of the major writers of the Romantic Movement, especially Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats, in an attempt to define the writers' characteristic concerns and their problems in expressing those concerns. Some attention will be paid to the traditions with which the Romantics were breaking, and to the forerunners of the movement.
Mr. BUTLER, Mr. SNYDER

L 22.2 Prose and Poetry of the Victorian Period§ Spring
A study of the major figures of the Victorian Period, especially Tennyson, Dickens, Browning, Arnold, Hopkins, and Hardy. Considerable attention will be paid to the differences between the Romantics and Victorians, with a view to tracing some of the main literary movements of the whole century. (L 22.1, or by permission on the basis of a knowledge of certain of the Romantic poets.) Mr. BUTLER, Mr. SNYDER

L 24.1 The English Novel§ Fall
A study of the novel from Fielding to Hardy with particular emphasis on the novel of the nineteenth century. Authors read include Fielding, Jane Austen, Dickens, Thackeray, Emily Bronte, George Eliot, and Hardy.
Mr. PRICKITT

L 24.2 The English Novel§ Spring
A study of the novel in Great Britain from E. M. Forster's *Howards End*

through Muriel Spark's *Memento Mori*. Among the figures to be considered will be Conrad, Joyce, Lawrence, Huxley, and Virginia Woolf.
Mr. BAHLKE

DL 30.1A Shakespeare§ Fall
Representative early tragedies, comedies, histories, and problem plays will be examined in preparation for an intensive study of *Hamlet*. (Juniors and seniors) Mr. CUBETA

DL 30.2A Shakespeare§ Spring
An intensive critical study of *Othello*, *Macbeth*, *King Lear*, *Antony and Cleopatra*, *Coriolanus*, *The Winter's Tale*, and *The Tempest*. (Juniors and seniors)
Mr. CUBETA

DL 30.1B Shakespeare§ Fall
A seminar in the comedies, histories, and problem plays, intended primarily for literature majors. (Juniors and seniors. Permission) Mr. CUBETA

DL 30.2B Shakespeare§ Spring
A seminar in Shakespearean tragedy. (DL30.1B) Mr. CUBETA

DL 31.1 European Drama Since 1870§ Fall
A study of representative plays of the late 19th and 20th century writers. Beginning with Ibsen and the early realists and concluding with recent innovators such as Beckett, Ionesco, and Genet. Mr. VOLKERT

DL 31.2 Modern British and American Drama§ Spring
A study of the important contributors to British and American drama of today. Attention to historical backgrounds, particularly in relation to modern American drama, but emphasis on the development beginning in the 20's with Eugene O'Neill. Mr. VOLKERT

L 31.1 Poetry and Prose of Tudor England§ Fall
English literature from 1485 to 1603. The course discusses the development of English Humanism from its continental origins and, within this framework, examines the major non-dramatic genres of the period. The poetry of Sidney, Shakespeare, and Spenser receives special emphasis. (Juniors and seniors. Sophomores by permission) Mr. ARNOLD

L 31.2 Poetry and Prose of the Age of Milton§ Spring
English literature from 1603 through Milton. A close examination of the poetry of Ben Jonson and John Donne and of their successors, especially Herrick, Carew, Herbert, and Marvel. The prose of Bacon and Browne also receives attention. The course culminates with the works of John Milton. (L31.1 or permission) Mr. ARNOLD

L 32.1 Poetry and Prose of the English Augustan Age§ Fall
A critical investigation of the artistic achievement of major writers from 1660 to 1745, conducted primarily in terms of their evaluation of the political, ecclesiastical, social, moral, intellectual, and aesthetic activities of the times. Major figures studied are Dryden, Addison and Steele, Swift, Pope, and Gay. (Juniors and seniors. Limited to 30 students) Mr. LITTLEFIELD

L 32.2 Prose and Poetry of the Age of Johnson§ Spring
A study of the major writers of the second half of the eighteenth century as they reflect the changing and conflicting social, political, moral, intellectual, and aesthetic attitudes of the period. The major figures studied are Fielding, Goldsmith, Sterne, Johnson, Boswell, Gray, Burke, and Burns.
Mr. PRICKITT

L 33.1 Classics of Literature§ Fall
Critical reading of great writings of the ancient world in translation, leading to an appreciation of the literary merit of Homer's *Iliad* and *Odyssey*, selected dramas of Aeschylus, Sophocles, Euripides, and Aristophanes, selected dialogues of Plato, the *Book of Job*, Virgil's *Aeneid*, and Ovid's *Metamorphoses*. Mr. LITTLEFIELD

L 33.2 Classics of Literature§ Spring
Critical reading of great writings of the Christian era in translation, leading to an appreciation of the literary merit of the *Epistles* of St. Paul, the *Gospels* of St. Matthew and St. John, the *Book of Revelation*, Dante's *Divine Comedy*, selected *Essays* of Montaigne, Goethe's *Faust*, parts I & II, and Mann's *Magic Mountain*. Mr. LITTLEFIELD

[L 34.1 Comparative Fiction§]

[L 34.2 Comparative Fiction§]

DL 35.1 Elizabethan Drama§ Fall
The drama of the English Renaissance to the closing of the theatres in 1642. Some attention given to the Medieval forerunners, the classical and continental influences, the audiences and the physical theater. A study of significant playwrights, e.g., Greene, Kyd, Dekker, Webster, Beaumont and Fletcher. Emphasis on Marlowe and Ben Jonson. Mr. MERRIMAN

DL 35.2 English Drama of the Restoration and Eighteenth Century§ Spring
Detailed study, by author and type, of dramatic literature from Davenant and Dryden through Sheridan: the heroic drama, blank verse tragedy, and especially the comedy of manners. The important dramatists besides those mentioned above include Otway, Etherege, Wycherley, Vanbrugh, Congreve, Farquhar, Goldsmith. Mr. MERRIMAN

L 41.1 Literature in the Middle Ages§ Fall
A seminar which considers representative works of medieval English and European literatures according to genre (epic, romance, allegory, lyric, satire) both on the continent and in England, with reference to later developments in English and American literature. Each year the focus will be on one or two of the genres. Translations will be used where necessary. 1964–1965: Romance. (Juniors and seniors. Permission) Mr. MARTIN

L 43.1 Literary Criticism§ Fall
A seminar in which a group of 19th and 20th century poems whose theme is the journey into one's past or the anticipations of heaven (or both) is

closely studied from several points of view: the historical, the structural (including analysis of images and symbols), and the psychoanalytic. Concurrent readings are assigned in modern criticism from among the following: Richards, Eliot, Brooks, Warren, Blackmur, Jarrell, Trilling, Lovejoy, and Auden. (Juniors and seniors. Permission) Mr. PACK

L 45.2A Contemporary Poetry§ Spring
The style, the thought, and the development in the poetry of Hopkins, Yeats, and Thomas are studied in detail. The student is expected to read most of their poetic works. Representative poems by Hardy, Housman, Lawrence, Eliot, Auden, Larkin, Hughes, and Silkin also receive careful analysis. Mr. PACK

L 45.2B Contemporary Poetry§ Spring
A seminar devoted to a discussion of selected poems, plays, songs, and other forms drawn from the poetry of Yeats, Eliot, Auden, and Thomas. (Juniors and seniors. Permission) Mr. BAHLKE

L 48.2 Chaucer§ Spring
A seminar in Chaucer's major poetry. (Juniors and seniors. Permission) Mr. MARTIN

L 49.1 Seminar: Advanced Studies in Literature§ Fall
1964–65: E. M. Forster and D. H. Lawrence: Discussion of Forster's *The Longest Journey*, *A Room With a View*, and *A Passage to India*, and of Lawrence's *The Rainbow* and *Women In Love*. Early meetings will move toward later concentration on *The Rainbow* and *A Passage to India*. (Juniors and seniors. Permission) Mr. BAHLKE

L 49.2 Seminar: Advanced Studies in Literature§ Spring
1964–65: A critical investigation of the major poetry and selected prose of John Milton. Special emphasis will be given to an assessment of Milton's role as neoclassicist, i.e., his artistic use of traditional literary structures and conventions, and to his achievement as a Christian poet. (Juniors and seniors. Permission) Mr. LITTLEFIELD

Writing

W 28.1 Expository Writing Fall
A study of the art and process of factual writing. Research papers are the most important assignments; in addition the student will explore the report, the argument, the analysis, and the essay in its various forms and moods. An average of nine papers, running in length from three to twenty typewritten pages, is required. Class reading, discussion, and lecture. Mr. CLAGETT

W 28.2 Imaginative Writing Spring
An opportunity for the interested student to gain deeper insight into literary problems and values by producing original writing that expresses his imagination and intellect. The student essays, short stories, novelettes, and poems are read and criticized in class. A thoughtful and substantial written performance required during each week of the term. (Permission) Mr. CLAGETT

W 38.1 Advanced Literary Composition Fall
A further opportunity for talented students to accomplish substantial and sustained writing projects. Novels, plays, inter-related sequences of short stories, extended factual narratives, and major research papers, similar to those required in graduate school, are the approved forms of individual effort. While still in progress, productions are analyzed and discussed in a weekly seminar. A member of the drama staff will supervise, discuss, and evaluate the efforts of students writing plays. (Limited to twelve students. Permission) Mr. CLAGETT

W 38.2 Advanced Literary Composition Spring
Students who have performed creditably during the first term may continue their project during the second. New members may be admitted by special recommendation of their advisors or of members of the English and Drama staffs. Mr. CLAGETT

Drama

TA 20.1 Introduction to Theatre Arts: Acting and Directing Fall
A study of historical and modern approaches to the problems of the actor and the director as interpreters of the written play. Selected plays are analyzed and used as source material for demonstration and experimentation. (Open to qualified freshmen) Mr. VOLKERT

TA 20.2 Introduction to Theatre Arts: Form and Style in Contemporary Staging Spring
A study of the basic principles and functions of the visual elements (stage, scenery, costume, and lighting) of the modern theatre. Form and style are studied, both in historical perspective and in contemporary usage, as means of interpreting the play. (Open to qualified freshmen) Mr. POTTER

[**DL 21.1 Survey of the Literature of the Theatre**] To be offered in 1965–66.

[**DL 21.2 Survey of the Literature of the Theatre**] To be offered in 1965–66.

DL 30.1A Shakespeare (See description p. 47) Fall

DL 30.2A Shakespeare (See description p. 47) Spring

DL 30.1B Shakespeare (See description p. 47) Fall

DL 30.2B Shakespeare (See description p. 47) Spring

DL 31.1 European Drama Since 1870 (See description p. 47) Fall

DL 31.2 Modern British and American Drama (See description p. 47) Spring

DL 35.1 Elizabethan Drama (See description p. 48) Fall

DL 35.2 English Drama of the Restoration and Eighteenth Century (See description p. 48) Spring

TA 35.1 Intermediate Acting Fall
A close study of modern approaches to development of characterization for the stage. Analysis of selected modern play scripts for meaning and actor motivation. Experimentation with pantomime and improvisation. (TA 20.1 or examination) Mr. VOLKERT

TA 35.2 Intermediate Directing Spring
Theory and practice of directing in relation to types of drama and in relation to proscenium and arena stages and their variations. Analysis of selected stages and their variations. Analysis of selected modern plays and experimentation with scenes on the stage. (TA 20.1 or examination) Mr. VOLKERT

TA 36.1 Intermediate Production: Stage and Scenery Fall
The theory and practice of modern stagecraft: analysis, design, and execution of scenic elements of the production. Two hours of class, one workshop per week. (TA 20.2 or examination) Mr. POTTER

TA 36.2 Intermediate Production: Light and Costume Spring
The theory and practice of modern stagecraft: analysis, design, and execution of lighting and costume elements of the production. Two hours of class, one workshop per week. (TA 20.2 or examination) Mr. POTTER

W 38.1 Advanced Literary Composition (See description p. 50) Fall

W 38.2 Advanced Literary Composition (See description p. 50) Spring

TA 40.1 Seminar: Special Studies Fall
Study of advanced problems either in directing and acting; or in design, lighting, and theatre planning (architectural) through projects and group critiques. (TA 35 or TA 36) Mr. VOLKERT, Mr. POTTER

TA 50.1 and 50.2 Advanced Special Studies in Drama and Theatre
Fall and Spring

Speech

S 21.1 Fundamentals of Speech Fall
A study of the production and control of the mechanics of speech necessary for speaking before an audience. Exercises for flexibility, range, relief from tension, and articulation. Platform experience. Attention to individual problems. Equipment fee $3. Limited to 20 students per section. (Permission) Mr. BOWMAN

S 21.2 Public Speaking Spring
For those who wish to develop skill in public address. Designed to develop confidence, conversational spirit, freedom of bodily action. Emphasis on organization of material for various types of speeches. Opportunity for platform presentation in the classroom. Equipment fee, $3. Limited to 20 students per section. (Permission) Mr. BOWMAN

S 26.1 Debate and Discussion Fall
A practical course in the composition and delivery of convincing speeches based on an analysis of current controversial topics. Emphasis is placed on

the testing of evidence and cross-examination principles as used in a court of law. Platform experience. Principles of group discussion are considered. (S 21.1 and .2 or permission) Mr. BOWMAN

S 27.2 Oral Interpretation of Literature Spring

A course designed to aid the student in his appreciation of literature (prose, poetry, drama) by means of reading aloud. Consideration is given to dialects, to choral, individual and group reading, and to the use of phonetics as a practical tool for oral study. Limited to 20 students. (S 21.1 and S 21.2 or permission) Mr. BOWMAN

FINE ARTS

Professor: A. K. D. HEALY (*chairman*); Associate Professor: R. E. REIFF; Instructor: R. B. MUIRHEAD; Lecturer: P. H. WALTON

The program of courses offered by the Fine Arts Department is in its scope, both in the offerings related to this field and in its recommended courses, consonant with all the much debated aims of education. Middlebury College is not an Art School and reasonably its philosophy precludes specialization in professional fields, although in our time this is susceptible to change. Its attitude is that it can be of the greatest service in graduating young people who in a neighborly world will fit themselves to better understand the heritage of the past and the developments that are current.

On the other hand, students who major in the field of Fine Arts may by taking concentrated courses develop an appetite for careers in this area of the humanities either as artists, architects or art historians. This latter extension of their programs is best developed in graduate schools. It has been our experience that the role of our Department in the general framework of Middlebury education may best be served this way. Furthermore this limitation seems by experience to be a welcome one to graduate schools.

The Department offers two introductory survey courses in Western and Eastern Art. In art history courses the student experiences art as an expression of man's vision and thought from the Neolithic times to the present. It also offers several further investigations of different periods of a more precise nature, as well as a few courses to stimulate a spirit of creativity in students interested in this field. These latter courses are generally open to students who take courses in the history of art as a method of experiencing the thinking and performance of the artist in our society. In studio courses the student heightens his sensibilities by engaging in a creative act and thus begins to comprehend the power of the visual arts as a means of communication.

Opportunities are afforded to have the students work independently, but this is generally done in all courses with the aid of consultation, suggestion, and guidance. The general examination in the senior year is so designed as to test the interest and application of our majors.

Generally the interest of all students in this field is encouraged, whether majors or not, as a valuable complement to their general education.

Required for a Major in Fine Arts: Fine Arts 25.1, 25.2, 21.1, 21.2, 24.2, 35.1, 36.1, 39.1, 40.2; Independent Study, and the General Examination.

Recommended: Fine Arts Practice Courses 26.1, 26.2, 27.2; also Music 13.1, 13.2, EDS S21.1, S21.2, Phil. 23.1, 23.2; Hist. 45.1, 45.2.

For those who plan to do graduate work in Art History, the taking of French, German, and Italian courses is recommended. For those interested in laying a foundation for graduate work in Architecture, the taking of Physics 11.1 and 11.2 is recommended.

For the admission of graduates of Art Schools, by transfer into advanced standing, see page 38.

21.1 Introduction to Design§ Fall
Line, color, form, subject matter and composition are studied separately and together in projects related to picture making so as to increase the students' comprehension of the picture as an expressive, visual language. Fee $10.00. Limited to 30 students. (F.A. 21.2 must be passed before credit for F.A. 21.1 will be given.) Mr. REIFF

21.2 Introduction to Design§ Spring
Design in the arts with special emphasis of sculptural and architectural problems. (F. A. 21.1) Fee $10.00. Limited to 30 students. Mr. REIFF

24.2 Far Eastern Art§ Spring
An historical survey of the development of the sculpture, painting, and architecture of India, China, and Japan. Also considered are aesthetic theories, iconography, philosophy, and religion as they relate to art. (May be open to qualified freshmen. See p. 34) Mr. REIFF

25.1 History and Theory of Western Art§ Fall
History of the development of painting, sculpture and architecture, from prehistoric time to the Renaissance. A study of art history by means of reading, slides, reproductions, traveling exhibits and lectures. (May be open to qualified freshmen. See p. 34) Fee $5.00. The course will be taught in two one hour lectures and relatively small one-hour discussion groups weekly. Mr. HEALY, Mr. MUIRHEAD

25.2 History and Theory of Western Art§ Spring
History of the development of painting, sculpture and architecture from the High Renaissance through today. (May be open to qualified freshmen. See p. 34) Fee $5.00 (F.A. 25.1, or permission) The course will be taught in two one hour lectures and relatively small one-hour discussion groups weekly. Mr. HEALY, Mr. MUIRHEAD

26.1 Practice in Drawing Fall
Study of the elements of drawing, including anatomy, linear perspective, and drapery. Instruction and practice in drawing from models by means of lectures and individual criticism. Division of teaching time approximately one lecture hour to two in practice. Fee $5.00. (F. A. 21.1 and 21.2 and 25.2, or permission) Mr. WALTON

26.2 Practice in Painting Spring
Study of color and the elements of oil painting. Instruction and practice in studio painting by means of lectures and individual criticism. Any technique may be exercised. Fee $5.00. (F.A. 21.1, 21.2, 25.1, 25.2, 26.1, or permission) Mr. MUIRHEAD

27.2 Practice in Painting Spring
Painting in water color. Instruction and practice in water color painting, with emphasis upon design. Fee $5.00. (F.A. 21.1 and 21.2, 25.1 and 25.2, 26.1, or permission.) Limited to 20 students. Mr. HEALY

[35.1 Italian Renaissance Art§] Fall
A study of the history, successive stylistic developments, aesthetic theories,

and iconography of the painting and sculpture from the period of the late Byzantine masters and Giotto to Tiepolo. Emphasis is given to the art of Masaccio, Piero della Francesca, Leonardo, and Michelangelo. (F.A. 25.1, 25.2, or permission) Offered in alternate years; not to be given in 1964–65.
Mr. REIFF

36.1 Genesis and History of American Art§ Fall
History of the development of painting, sculpture and architecture from the Jacobean era in England to America today. A study of American art by means of reading, slides, study of reproductions, travelling exhibits and lectures. Fee $5.00. (F.A. 25.1, 25.2, or permission) Mr. HEALY

37.1 Art of the Middle Ages§ Fall
An exploratory examination of the architecture, sculpture, mosaics and stained glass, together with pertinent manuscripts from the Early Christian Era to 1400. The course will be divided in alternate years 400 to 1,000 A.D.–1,000 to 1400 A.D., but may not be taken twice. Open only to majors and selected students. Taught by individual conferences and guided study as well as by means of fortnightly seminars on general background. Suggested requirements History 12.1 and Religion. Mr. HEALY

38.1 Northern European Painting§
This course is a survey of the art and civilization of Flanders, Germany, Northern France, and Holland for a period of 250 years beginning with 1400 and late Gothic manuscript painting. Special attention is given to the Van-Eycks, Hugo van der Goes, Durer, Brueghel, Rubens, and Rembrandt. Offered in alternate years; to be given in 1964–65. Mr. REIFF

39.1 Modern Architecture§ Fall
A study of the most important phases of contemporary architecture in Europe and America, and a selective survey of developments in architecture since 1750, by means of lectures, slides, reading and exhibitions. (F.A. 25.1, 25.2, or permission) Mr. REIFF

40.2 Modern Art§ Spring
Lectures on art of such painters as Watteau, David, Delacroix, Manet, the Impressionists, Van Gogh, Cezanne, Picasso, Matisse, the Surrealists, the Abstract-Expressionists, and others; and of such sculptors as Rodin, Arp, and Giacometti. (F.A. 25.1, 25.2, or permission) Limited to 35 students.
Mr. REIFF

50.1 and 50.2 Advanced Studies in the Fine Arts

MUSIC

Professor: A. CARTER (*chairman*); Instructor: J. G. CHAPMAN; Assistant: R. B. BROWNE

Students wishing to major in music must demonstrate acceptable proficiency in some instrument or voice and must participate, before graduation, in the presentation

of some works studied. The course of study for a major in music covers two broad areas: 1) theory, or the language of music; 2) history, the development of the language and its place in the general history of western civilization; 3) study of an instrument or voice to be correlated with (1) and (2). The following courses are required:

1) Two one-year courses in harmony (Music 21 and 31).
2) One one-year course of a broad historical nature (Music 12 or 13).
3) Two one-year courses devoted to a specific historical period or style (Music 37, 38, 42, 46, or 48).

Independent Study consists of a one-hour seminar per week and private consultation whenever desired. The purposes are to familiarize the student with a general history of music and to allow him to specialize on a certain period or person. The material is chosen according to the need of each student.

12.1 History and Performance of Western Choral Literature§ Fall
Study and performance of sacred and secular choral music from Gregorian chant to the middle Baroque period. Basic theory, voice production and sight-singing. Audition required. Two hours lecture, three hours lab. Music 12.1 and 12.2 are required of students who wish to participate in the college choir. Fee $7. Mr. CHAPMAN

12.2 History and Performance of Western Choral Literature§ Spring
Study and performance of sacred and secular choral music from the late Baroque to Modern period. Students who complete this course may, with permission, elect the lab. only, in later years, for 1 point credit. There is no extra tuition for this credit. (Music 12.1) Fee $7. Mr. CHAPMAN

13.1 Music Survey§ Fall
A study of music history and literature from Gregorian Chant through Beethoven with emphasis on required listening of twenty representative works from J. S. Bach through Beethoven. Listeners' equipment includes basic theory, and the understanding of the various forms of each period as applied to the work studied. Fee $7. Mr. CARTER

13.2 Music Survey§ Spring
A study of music history and literature from Schubert through twentieth century composers and techniques with emphasis on required listening of twenty representative works from Schubert through William Schuman. Fee $7. Mr. CARTER

21.1 Elementary Harmony Fall
A study of the fundamentals of music theory and elements of harmonic structure. Through aural and written analysis of works in four-part chorale style, the student is expected to understand and use all diatonic chords and non-harmonic tones. Fee $7. Mr. CHAPMAN

21.2 Elementary Harmony Spring
Expansion of the harmonic vocabulary to include secondary dominants, seventh chords, etc. Intensive aural and written drill supplemented by tape recordings. Analysis of works for piano and string quartet. Fee $7.
Mr. CHAPMAN

[**31.1 Advanced Harmony**]
Intensive review of Music 21. Addition of augmented and chromatic chords to the harmonic vocabulary. Introduction to formal analysis. Harmonic analysis of larger forms.

[**31.2 Advanced Harmony**]
Intensive drill in the aural assimilation of the harmonic vocabulary. Introduction to tonal counterpoint; exercise in writing short contrapuntal works. (Music 31.1) Fee $7.

37.1 Opera§ Fall
A history of the lyric theatre and its literature from Gluck through Verdi presented through a study of recorded works and occasional trips to hear performances. (Music 13 or by permission, juniors and seniors) Fee $7.
Mr. CARTER

37.2 Opera§ Spring
A history of the lyric theatre and its literature from Puccini through Berg presented through a study of recorded works and occasional trips to hear performances. (Music 13 or 37.1 or by permission, juniors and seniors) Fee $7.
Mr. CARTER

[**38.1 Johann Sebastian Bach**§]
A study of the late Renaissance developments that lead to the emergence of Baroque styles; and analysis of these styles to the time of J. S. Bach. (Music 12 or 13) Fee $7.

[**38.2 Johann Sebastian Bach**§]
The culmination of Baroque styles as seen in the works of J. S. Bach and his contemporaries. Analysis of representative instrumental and vocal works of Bach. (Music 38.1) Fee $7.

[**42.1 Haydn**§]
Study of the music of the Classic era as exemplified by Haydn. (Music 13) Fee $5.

[**42.2 Mozart**§]
Study of the music of the Classic era as exemplified by Mozart. (Music 13) Fee $5.

46.1 Modern Period§ Fall
A study of musical literature of the late 19th and 20th centuries from the Post Romantic and Impressionistic composers through Bartok, using recorded works and scores and occasional trips to hear performances. (Music 13. Juniors and seniors by permission) Fee $7. Mr. CARTER

46.2 Modern Period§
A study of musical literature of the 20th century of the American and European continents, using recorded works and scores and occasional trips to hear performances. (Music 13, 46.1. Juniors and seniors by permission) Fee $7.
Mr. CARTER

[48.1 Music of the Middle Ages and the Renaissance §]
A study of the music literature in eastern civilization from the beginning of the Christian era to ca. 1450. Comparative analysis of style and form; discussion of elementary modal theory. (Music 12 or 13) Fee $7.

[48.2 Music of the Middle Ages and the Renaissance §]
A study of western music from ca. 1450 to 1600. Specific works of Ockeghem, Josquin, Willaert, Lassus, etc., are used as focal points for the development of style. (Music 48.1) Fee $7.

50.1 Research and Special Work Fall

Practical Music

The aim of this Department is to present music for its value as literature and as a record of one aspect of human achievement, not as professional training. We strongly encourage students to improve performing techniques as a necessary means of cultivating the art. However, no credit toward graduation is given for private study of practical music. The College will assist the student as far as possible in securing adequate instruction when not provided by the regular staff.

Students who wish private instruction in piano, voice, violin, viola, violoncello should enroll with the Chairman of the Department.

Fees are to be paid to the Treasurer's office at the beginning of each semester. No rebate is allowed for lessons missed except in the case of continued illness. Students may be accepted for less than a full semester, in which case fees will be prorated.

M-1 Private Instruction in the Study of the Pianoforte
1 lesson weekly, use of piano 1 hour daily. Fee $80 per semester.

M-2 Private Instruction in the Study of Voice
1 lesson weekly. Fee $66.50 per semester.

M-3 Private Instruction in Organ
1 lesson weekly; use of organ 1 hour daily. Fee $86 per semester.

M-4 Private Instruction in Violin and Viola
1 lesson weekly. Fee $66.50 per semester.

Music Library
The department equipment includes several thousand records, scores, and a cross reference file of the records. The collection kept in the Music Studio is available for both class work and student audition at hours set by the head of the department. Special listening equipment is available.

Music Organizations
The College Chamber Orchestra is open to all students who play an orchestral instrument and who qualify after auditions. The group holds weekly rehearsals and prepares concerts. Advanced instrumentalists who can qualify may have the opportunity of playing with the Vermont State Symphony Orchestra. Mr. CARTER

The College Choir sings in Sunday Vespers and special concerts on and off campus. Music 12 is required of all choir members. In conjunction with this course, a very active College Madrigal Group has been formed. In keeping with the educational intent of the choral program, repertoire for all performing groups is as historically inclusive and demanding as possible. Performance in languages other than English is stressed. Mr. CHAPMAN

Playing in small ensembles is encouraged. Those interested should see Mr. CARTER. The Choir and Orchestra work together on oratorios from time to time. Works given in recent years include: Mozart, Brahms, Faure Requiems, Handel Messiah, and Bach Mass in B minor, St. Matthew Passion and Magnificat, Berlioz L'Enfance du Christ, Haydn Masses, Heilig and Lord Nelson, Schubert G Major Mass.

PHILOSOPHY

Professor: J. T. ANDREWS (*chairman*); Associate Professor: L. C. BIGELOW; Assistant Professor: V. V. KLIVE

The basic course for the Major Program in Philosophy is Philosophy 23.1 and 23.2, which is a survey of dominant philosophical ideas and their development in the western world, from the time of the early Greeks to the 20th Century. This course should be taken in the sophomore year. Other course requirements for the major are: Philosophy 22.1 (Introduction to Logic), Philosophy 32.1 (Ethics), Philosophy 38.1 and 38.2 (20th Century Philosophy), and Independent Study. To complete the Major in Philosophy a total of thirty hours (including Independent Study) is required as a minimum. Students may find it to their advantage to elect from three to six hours above the minimum in order to be better prepared for their general examinations.

The General Examination is both written and oral. The written examination consists of two parts. The first part is historical and it is required of all students. Moreover, each student must be specially prepared to deal with two important philosophers, one from the ancient period and one from the modern. In the ancient period the choice is between Plato and Aristotle. In the modern period the choice is from: Descartes, Locke, Hume, and Kant. Students make their choices individually. The second part of the examination is systematic. Each student may choose any two of the following topics: Metaphysics and Theory of Knowledge, Ethics, Logic.

Required for the Major: 22.1, 23.1, 23.2, 32.1, 38.1, 38.2; Independent Study.

11.1 Introduction to Philosophy§ Fall

A general systematic introduction to problems in metaphysics and theory of knowledge, dealing with such questions as the nature of reality, knowledge and meaning. Selected readings from the philosophical literature. The course meets in two lecture periods and one discussion section each week.

Mr. ANDREWS, Mr. BIGELOW, Mr. KLIVE

11.2 Introduction to Philosophy§ Spring

An introduction to the problems of ethics, dealing with such basic notions as "good," "right," "obligation," "responsibility," and "validity of moral

judgments." Also some time is spent on questions in political philosophy. Selected readings from the moral and political philosophers.
Mr. ANDREWS, Mr. BIGELOW, Mr. KLIVE

22.1 Logic Fall
Introduction to the principles of valid inference, deductive and inductive. Topics dealt with are: logical functions of language, definition, syllogistic reasoning, truth-functional arguments, and the elements of scientific method.
Mr. ANDREWS

22.2 History of Science Spring
A seminar devoted to a detailed discussion of a few selected writings of outstanding scientists and philosophers to illustrate the changing conceptions of the scientific investigation and its philosophical presuppositions. Among the authors considered: Aristotle, Euclid, Roger Bacon, Giordano Bruno, Galileo and Newton. (Limited to 15 students.) Mr. KLIVE

23.1 History of Western Philosophy (Ancient)§ Fall
Main themes of philosophic thought from the beginning through the Hellenistic period. Concentration on principal figures and on critical discussion of the ideas involved, with an eye to their relevance to modern questions. Authors read: Plato, Aristotle, Lucretius. (Two lectures, one discussion section per week) Mr. BIGELOW, Mr. KLIVE

23.2 History of Western Philosophy (Modern)§ Spring
Development of philosophic thought from the medieval period to the 20th century. Principal emphasis on theory of knowledge and metaphysics and their connections with developments in science. Among the authors read: Bacon, Descartes, Locke, Berkeley, Hume, Kant, James. (Two lectures, one discussion section per week) Mr. BIGELOW, Mr. KLIVE

27.1 Philosophy of Religion§ Fall
A critical analysis of the philosophical problems created by the religious condition; the criteria of religion; the nature of religious language, symbol and myth; the problem of religious knowledge and the metaphysical implications of the religious thought, such as the existence of God, the nature of man and the meaning of life. Mr. KLIVE

29.2 Symbolic Logic Spring
A course designed to introduce the student to the field of symbolic logic. The course will deal with the following topics: Truth Functions, Quantification Theory and Deductive Method, Relations, Descriptions and Classes. (Phil. 22.1 or permission) Mr. ANDREWS

32.1 Ethics§ Fall
First: a study of a few representative types of normative ethical theory at a level more advanced than that of Phil. 11. Principal problems: criteria of right action; the nature of the good. Second: meta-ethics, a 20th century development of analytic philosophy. Principal problems: the meaning of

ethical terms, such as, "good" and "right"; the justification of normative judgments; the objectivity of value. Two meetings per week, combined lecture and discussion. (One semester of Philosophy or permission)
Mr. Bigelow

33.2 Esthetics§ Spring
A study of the philosophical problems raised by the nature and functions of art: the esthetic experience and the creative process; the work of art and the esthetic value; the appreciation of art and the problem of criticism; the relation of art to society. (Phil. 11.2 or permission) Mr. Klive

36.2 Philosophy of Science Spring
Principles which underlie the experimental method, the nature of hypotheses and scientific explanation, criteria by which empirical hypotheses are evaluated, scientific laws, causation, the uniformity of nature. Concrete illustrations from the sciences. Mr. Andrews

37.1 Kant and the Nineteenth Century§ Fall
An intensive study of Kant's philosophical contributions and their significance for the subsequent developments in the nineteenth century such as the rise of Classical German Idealism (Hegel) and the existentialist revolt (Kierkegaard). (Phil. 11.1 or Phil. 23.2 or permission) Mr. Klive

38.1 20th Century Philosophy§ Fall
The development of western philosophical thought in roughly the first thirty years of the present century: the reaction against Absolute Idealism, the rise of Pragmatism and Positivism. Works of some of the systematic thinkers will be studied, such as James, Dewey, Russell and Whitehead. Specific readings in this course will vary somewhat from year to year. (Prerequisite: at least two semester courses in Philosophy or permission) Mr. Andrews

38.2 20th Century Philosophy§ Spring
Recent philosophical developments in western thought, coming down to the present time: analytic philosophy, the philosophy of language, existentialism. Specific writings which are selected for study will be varied somewhat from year to year. (Phil. 38.1 or permission) Mr. Bigelow

50.1 and .2 Fall and Spring
Individual conference with majors and advanced students in philosophy at the junior and senior levels. (Permission) Staff

RELIGION

Associate Professor: C. P. Scott (*chairman*); Visiting Associate Professor: R. L. Ferm; Instructor: V. L. Nuovo; Assistant: J. C. Moyer

In the conviction that a liberally educated person will wish to understand the place of religion in the cultural history of mankind, the College offers its students a number of elective courses designed to present the subject matter within the context and purposes of the Humanities.

There are two courses of an introductory nature. The first, 11.1, offers an introduction to religion generally. It describes the place of religion in human life, the situations in human life which are distinctively religious, the various phenomena which are expressions of the religious. It also introduces the students to the methods of scholarly investigation in religion. The second, 11.2, is an introduction to the western religious tradition.

For those who wish to study the Hebrew-Christian Bible for its own sake and its pervasive influence in the artistic, literary and ethical tradition of the western world, there are courses in Old Testament and New Testament (21.1 and 21.2).

For an opportunity to study Christianity, its theology and ethics in a systematic way, two courses are offered, 31.1 and 31.2. An additional course treats contemporary religious thought (35.2).

In the realization that a knowledge of the great non-western religions (Hinduism, Buddhism) is essential to a sensitive comprehension of world culture, the Department offers a course in the religions of India, China and Japan (33.2). Judaism and Islam, and their historical relationships to Christianity, are treated in an additional course (33.1).

There is also opportunity for guided research in special topics which a student may choose to investigate.

11.1 Introduction to the Study of Religion § Fall

An introduction to the concepts and methods employed in the critical investigation and interpretation of religion, and an application of these to selected materials from the history of religion. Mr. Nuovo

11.2 Introduction to the Western Religious Tradition § Spring

A critical study of selected religious ideas and institutions of western civilization, e.g., monotheism, the destiny of man, religious tradition, religious understanding. The course will center primarily in readings in primary source material. Mr. Nuovo

21.1 The Old Testament § Fall

The history, literature, and faith of the Hebrew people from the Patriarchal age to the Maccabean revolt. Attention will be given to the methods of historic-literary criticism and the contribution of archaeology to biblical history and interpretation. Mr. Scott

21.2 The New Testament § Spring

A study of the documents of the New Testament, their message, and the history of Christian beginnings which they disclose. Emphasis will be given to the Jewish and Graeco-Roman influences in the emergence of the Christian tradition. Mr. Scott

31.1 Principles of the Christian Faith § Fall

A systematic introduction to the major elements of the Christian faith, including a discussion of such topics as: revelation and reason; the Hebrew-Christian concept of the existence and nature of God; the relation of God and the world; the nature, responsibility, and destiny of man; the person and work of Jesus Christ; the nature and function of the church. Mr. Ferm

31.2 Christianity and Modern Society § Spring

The application of Christian ethical principles to the tensions and problems of the present day in the following areas: sex and family life; the political

order; the economic order; the challenge of Communism; race relations. Problems of both the individual and the community will be discussed.
Mr. Ferm

33.1 Judaism, Christianity, and Islam§ Fall
An investigation of the basic religious beliefs, practices, and institutions of Judaism, Christianity, and Islam in their historical setting. Some attention will be given to the development of Zoroastrianism and its possible influence upon these religions. Lectures and readings in primary sources. Mr. Nuovo

33.2 The Religions of Asia§ Spring
An investigation of the basic religious beliefs, practices, and institutions of India, China and Japan in their historical setting, with special attention to the development of Hinduism and Buddhism. Lectures and readings in primary sources. Mr. Nuovo

35.2 Contemporary Religious Thought§ Spring
Critical reading and discussion of selected representative writings of contemporary theologians and philosophers of religion such as Buber, Bultmann, Heschel, Marcel, Tillich. (Permission) Mr. Nuovo

50.1 and 50.2 Fall and Spring
Independent study for advanced students. Staff

Note also: Philosophy 27.1, Philosophy of Religion.

Division of the Foreign Languages

Professor WERNER NEUSE, Chairman

CLASSICS
FRENCH
GERMAN
RUSSIAN
SPANISH AND ITALIAN

The Division Center in Hillcrest contains the offices of the several departments, the Language Aural-Oral Laboratory, classrooms, and twenty-seven listening rooms equipped with tape recorders and playbacks, and libraries of recordings for practice in hearing and speaking the foreign language. Students are urged, and in some courses required, to use these facilities to supplement their classwork.

Special Area Studies

A. French Language, Culture, and Area Studies Administered by the French Department

Required for a Major: French 21.1, 21.2, 32.1, 32.2, 46.1, 46.2, 47.1; Independent Study, and General Examination (different from those for regular French Majors); also: Geography 10.1, 10.2; Geography 35.2; one year course from the following: History 34.1, 34.2; or Poli. Sci. 20.1, 20.2; also: one year course from the following: Economics 21.1, 21.2; or Poli. Sci. 22.1, 22.2; or Sociology 12., 12.2. Cognate courses in the Humanities and the Social Sciences will be recommended.

B. Spanish Language, Culture, and Area Studies Administered by the Spanish Department

Required for a Major: Spanish 31, 40, 43, 45, 33 or 44, and 50; Geography 35.1, History 45, American Literature 21 or History 36; Economics 21; Political Science 20; Sociology 23. Cognate courses in Geography, Political Science, History, and the humanities are recommended.

CLASSICS

Professor: J. I. ARMSTRONG; Associate Professor: W. HARRIS (*chairman*); Instructor: Miss U. M. HEIBGES

The principal aims of courses in the Classics are to enable the student to attain a rapid and accurate reading knowledge of Greek or Latin, and then to read broadly while developing critical skill and a sense of the art of language. Greek and Latin literatures are understood to be an embodiment of deep spiritual and artistic concern, and the major literary achievements are studied in this light.

The basic requirements for a Major are:

1) Latin 11, 21, 31, 41, Independent Study, History 13, and the passing of the General Examination.
2) For students entering with higher qualifications Latin 21, 31, 41, 50, History 13 and the passing of the General Examination. Reductions of some parts of these requirements may be considered in the case of students doing a joint program with another language, Classics and English or Classics and Philosophy.

The courses listed above constitute the basic major program which confers the degree of A.B. in Latin. Besides this we may list these stages:

1) Upon completion of Greek 15 and Greek 24, the student enters the fuller Classical Curriculum and is a candidate for the A.B. in Classics. Greek is quite necessary for an understanding of the fused Greco-Roman civilization, and the student is advised to begin Greek as early as possible, certainly not later than the sophomore year. This program would lead naturally to advanced study of any of the European literatures or to Comparative Literature.
2) For the student planning later professional work in the Classics it is important to begin Greek in the freshman year in order to allow time for advanced work in the junior and senior years. Serious study of French and German should be started as these are basic, required ancillary disciplines for graduate study in the Classics. Most universities now require at least one of these languages on entrance to the graduate program. A student engaged in this full program may be exempted from History 13 in favor of work outside the immediate area of study.

Classics in Translation

25.1 Greek Intellectual History § Fall

Introduction to the history of the Greek mind through historical materials, satire and Old Comedy through New Comedy, lyric poetry, the beginnings of philosophy and Sophism. This course serves as prolegomena to the reading of Greek drama, although it is not a prerequisite course, and it does not require Classics 25.2 for its completion. Mr. Harris

25.2 Greek Tragedy § Spring

Extensive reading in Greek drama in English, with intensive study of selected plays. The student is introduced to the criticism of ancient authors with detailed attention to critical methods and some of their dangers. Historical background is presented as needed (v. Classics 25.1 above), and the student is rigorously introduced to the structural analysis of poetic discourse.

Mr. Harris

Latin

10.1 Introduction to Latin Fall

This course presupposes no previous knowledge of Latin, but those with a weak background may enter with the instructor's permission. An inductive method is used and the synthetic concept of grammar is elicited from careful reading of texts of literary worth, rather than presented paradigmatically at the outset. A great part of the work is oral and tapes for the study of frequency-graded vocabulary are used. By the end of the first term the student should be able to read a text of intermediate difficulty with aid of the dictionary, and should be able to begin Augustan literature. Mr. Harris

10.2 Vergil and Livy Spring

During the first month the student is introduced to Vergil's language and style. He is then given a large reading assignment in Vergil, which he will complete in great part on his own by the end of the term. The next month provides him with a similar introduction to Livy's prose, with occasional class periods devoted to questions in Vergil that may arise. During the last

month the student reads on his own parts of Vergil and Livy, while the meetings turn to the bases of structural analysis of creative art, with poems of Catullus, Horace and Propertius studied in class.

The first term provides a basic reading technique; the second term should bring the student to the threshold of college level work in Latin. The course serves as an introduction to prospective majors who have had no Latin or poor training, in which case it should be taken in the freshman year. For students in the Humanities who wish to minor or take a joint program with Latin, the course should be taken not later than the sophomore year.
Miss HEIBGES

21.1 Introduction to Authors in a Social Context Fall
This course provides a wide selection of examples from Roman Literature, both prose and poetry, which will be used to demonstrate the various dimensions in which a document can be perceived in relation to the social and historical mise-en-scene. The theory of this process will be fully discussed in class; in addition the student must prepare himself in ability to read Latin with an eye toward increased fluency and ultimate development of a reading knowledge. (Latin 11.2 or three to four years of high school preparation, in which case confer with the instructor.) Miss HEIBGES

21.2 Introduction to Poetry† Spring
The course is directed toward a perception of the creative and artistic use of Latin, and will investigate the spiritual qualities which make the poet as well as the formal and structural dimensions which are observable in poetic discourse. The poetry will be studied with no reference to historical actuality in order to focus the student's attention more fully on the inner structure of the poem as an artifact of words drawn through time. Mr. HARRIS

Latin 21.1 and 21.2 serve for the language requirement. They can be taken in either order.

31.1 and 31.2 The Earlier Literature§ Fall and Spring
Of the following areas and topics one will be chosen to be given in the fall term and one in the spring term. Choice will depend on the needs of the students and special sequences will be determined from year to year.
a) Plautus and the early drama
b) Lucretius and Roman Philosophy
c) Love poetry: Catullus, Propertius, Tibullus
d) Cicero and his world
e) Lyric: Catullus and Horace

The work is conducted in small groups in which the student participates actively. Papers and seminar reports introduce the student to the secondary literature, while he develops his sense of the language by reading large sections of texts. The actual understanding of the language is at this point the student's responsibility, and the classwork turns to historical, social and esthetic considerations. Miss HEIBGES

41.1 and 41.2 The Later Period§ Fall and Spring
One of the following topics will be offered in the fall and one in the spring term. Choice will involve students' interest and the optimum effect of the sequence continuing from Latin 31; these two years' work are conceived as a single program working intensively with some of the most important works from the two critical centuries in Roman culture.
a) Ovid
b) Satire: Horace, Persius, Juvenal
c) Tacitus
d) The Novel: Petronius and Apuleius
e) The Christian authors from Minucius Felix to Augustine. Mr. HARRIS

50.1 and 50.2 Fall and Spring
Special projects studied independently in greater detail. STAFF

Greek

15.1 Introduction to Greek Fall
No previous knowledge of the language is required. The first term will cover basic structure and vocabulary of Ancient Greek as a preparation for a reading knowledge of ancient Greek literature. STAFF

15.2 Introduction to Homer's Iliad Spring
Starting with very careful reading of small portions of the text with grammatical analysis in class, the student will proceed with the aid of graded vocabulary tapes to a fairly fast pace of reading, and will cover approximately four books of the *Iliad.* STAFF

24.1 Homer: Iliad and Odyssey Fall
Fast reading of a considerable portion of the *Iliad* and *Odyssey* with introduction to the critical literature and secondary materials. Much of the classwork will be devoted to formation of an esthetic appreciation of Homer's work. Miss HEIBGES

24.2 Introduction to Greek Drama† Spring
Carefully guided reading in Euripides leading to one play of Sophocles, with sufficient reference to the intellectual history of the Greeks to make this singularly beautiful and difficult area meaningful. Mr. HARRIS

50.1 and 50.2 Independent study Fall and Spring
Students will select an author or area not previously studied and work largely on their own, conferring weekly with the staff about problems in language and interpretation as they arise. Listed as coherent units of study are:
1) Plato and Aristotle
2) Herodotos and Thucydides
3) Pindar and Lyric
4) Aeschylos
5) NT and early Church Fathers

STAFF

FRENCH

Professor: C. L. Bourcier (*chairman*); Associate Professor: J. M. Watkins; Instructors: J. A. Vadon, Mme. S. Levacher; Assistants: Mlle. E. Bard, Mme. J. Vadon

The French Department aims at developing in its majors the following skills:

1. A command of the French language in its oral and written forms so that students may exchange information and ideas in French on any topic of normal concern to cultivated people and appreciate fully any piece of French writing, be it a literary text or a document of definite import in any field (arts, sciences, etc.).
2. A grasp of the essential geographical, historical, sociological and cultural factors that make an understanding of France, her people and her civilization more significant.
3. An intimate acquaintance with the major French literary personalities and their work as representatives of a typical culture within the Western World.

To achieve such aims, the following courses of study are prescribed: "Composition and Introduction to Literature" (French 21), designed to improve the students' command of the language while initiating them into the basic techniques of literary analysis; "Advanced Grammar, Composition, and Stylistics" (French 32), to give them the flair for shades of idiomatic and literary expression; "French Civilization" (French 46), to give them the systematic insight into the geographical and historical factors that made France and the French; and four semester courses in the literature of various periods. Majors are required to choose a minimum of one additional semester in a discipline of their particular interest: "Phonetics" (French 35.1), "Advanced Oral Practice & Self-Expression" (French 36.2), "Contemporary France" (French 47.1), or "Studies in 20th Century Literature" (French 44.1 and 44.2).

Required for the Major: 21.1, 21.2, 32.1, 32.2, 46.1, 46.2; General Examination. Four semesters chosen from: 38.1, 38.2, 41.1, 41.2, 42.1, 42.2, 43.1, 43.2. One semester chosen from: 35.1; 36.2; 44.1, 44.2; 47.1. For women, at least one year in residence at Le Château.

10.1 Beginners' French Fall

Oral inductive approach aimed at mastering the patterns of simple spoken French. Reading, writing, and grammar. Intensive use of the Language Laboratory for individual exercises. Laboratory fee: $5.00. (French 10.2 must be passed before credit is given for 10.1.) Mr. Watkins

10.2 Beginners' French Spring

Oral inductive approach combined with more emphasis on the reading and writing aspects of the language. Students are asked to participate more actively. Language Laboratory still intensively used. Laboratory fee: $5.00. Mr. Watkins

11.1 Intermediate French Fall

A course open to students who have had one year of French in secondary school, or an otherwise poor preparation in the language. Grammar review, with an emphasis on reading and writing. (Students who wish to prepare for the Qualification Test to pass their Language degree requirement are advised to take this course.) Mr. Vadon

11.2 Intermediate French Spring

Composition and conversation are emphasized to prepare the students for more advanced work in the Department if they so choose. Mr. Vadon

12.1 Syntax, Reading, and Oral Practice Fall
The usual freshman course for students with two or three years of average preparation in the language. French syntax is systematically reviewed, intensive reading of modern material. Individual practice in the Language Laboratory. Laboratory fee: $5. STAFF

12.2 Syntax, Reading, and Oral Practice† Spring
Students are asked to participate actively in the classroom. Introduction of modern novels, with the "explication de textes" method. Laboratory fee: $5. STAFF

21.1 Composition and Introduction to Literature Fall
Critical reading of modern French plays, and introduction to the various techniques of literary analysis: plot, psychological characterization, symbolic meaning. Systematic study of sentence structure, and continuation of the "explications de textes" method. Introduction to the literary "dissertation" techniques and the study of French verse forms. STAFF

21.2 Composition and Introduction to Literature Spring
More advanced practice in the various techniques studied in French 21.1, especially with respect to modern poetry and the latest examples of French theatre. STAFF

32.1 Advanced Grammar, Composition and Stylistics Fall
A systematic and thorough review of French grammar with special stress on the difficult points of syntax. Translation into French of English and American stylists. Mr. VADON

32.2 Advanced Grammar, Composition and Stylistics Spring
A theoretical and practical approach to the problems of composition and style. Composition based on idiomatic texts. The study of style and syntax will be pursued through the thorough analysis of selected passages taken from French stylists. Mr. VADON

35.1 Phonetics and Diction Fall
A descriptive and historical study of the pronunciation of cultivated French. An analysis of the phonetic features of French; systematic exercises in pronunciation, intonation and reading of French prose and poetry. Laboratory fee: $5. Mr. WATKINS

36.2 Advanced Oral Practice and Self-Expression Spring
To develop fluency in speaking French and the command of idiomatic expressions. Organized vocabulary development and oral composition on the basis of topics of concrete and abstract definition. Mr. BOURCIER

[38.1 Life and Literature in the Middle Ages]
The general spirit, the political and artistic developments of medieval France will form the background against which the various literary productions of that age will be studied, with an emphasis on some typical authors and works.

39.2 Life and Literature in the 16th Century Spring
The Age of the Renaissance and Reformation. The mood and temper of the

time, and its expression in the works of the leading authors of that period, with special emphasis on Rabelais and Montaigne. Mr. VADON

41.1 Life and Literature in the first half of the 17th Century Fall
The preparation of the Age of Classicism; the advent of Absolute Monarchy; the development of Baroque art and literature; "romanesque" and "preciosite," and the great authors of that period: Corneille, Descartes, and Pascal. Mr. BOURCIER

41.2 Life and Literature in the second half of the 17th Century Spring
The Age of Classicism; the political, social, and cultural implications of the "Century of Louis XIV"; the great "classicists": Molière, Racine, Boileau, La Fontaine; the end of "classicism" and the first rumblings of the new age. Mr. BOURCIER

[**42.1 Life and Literature in the first half of the 18th Century**]
The Age of Enlightenment in France; the political and social upheaval under the Regency and Louis XV; the rise of the "philosophical mind" and the critique of the established order: Montesquieu, Voltaire, Diderot and the *Encyclopedie*.

[**42.2 Life and Literature in the second half of the 18th Century**]
The origins of the French Revolution, and the reign of Louis XVI; Rousseau and the development of the pre-romantic attitudes; Chenier, Bernardin de Saint-Pierre; Beaumarchais.

[**43.1 Life and Literature in the first half of the 19th Century**]
From the French Revolution to the Second Republic; the impact of the industrial revolution on French society. The development of French Romanticism: Chateaubriand, Lamartine, Vigny, Musset, and Hugo; from Romanticism to Realism: Balzac and Stendhal.

[**43.2 Life and Literature in the second half of the 19th Century**]
From the Second Empire to the Third Republic; the rise of the new generation and the advent of the "modern world." Its artistic and literary implications: Realism, Naturalism, Symbolism, and the germs of contemporary esthetics. From Baudelaire to Apollinaire.

44.1 Studies in 20th Century Literature: Gide, Malraux and Camus Fall
Through selected works of these three authors, the course will study three outstanding modern French novelists and analyze the evolution and changes of each of these novelists. Mr. VADON

44.2 Studies in 20th Century Literature: Proust Spring
A study of one of the most important literary figures of our times, through a detailed analysis of his essential masterpiece, *A la Recherche du Temps Perdu*, and his other works. Mr. WATKINS

46.1 French Civilization Fall
The geography of France, her physical and human aspects; an outline of her political, social, intellectual, and artistic history, from the origins to the end of the 16th century. Mr. BOURCIER

46.2 French Civilization Spring
The development of the French State and the French Nation from the 17th century to the present; the main features of its present-day civilization and culture. Mr. BOURCIER

47.1 Problems of Contemporary France Fall
A seminar on the present situation in France: her political, economic, social, religious, and cultural life, and the problems facing her. Mr. BOURCIER

50.1 and .2 Advanced Studies in Language, Civilization and Literature Fall and Spring
Candidates for the Master's degree, and qualified undergraduates, may be permitted to undertake a special project in reading and research under the direction of some member of the Department. STAFF

GERMAN

Professor: W. NEUSE (*chairman*); Instructors: P. BERNDT, Miss M. ISAKS; Assistant: Miss H. AREND

A student who wants to major in German is expected to gain a fairly thorough knowledge of the major periods of German literature after 1400, read specified major works of those periods, and more extensively in the 19th and 20th centuries. Starting with his freshman year he will use German in class and write all his papers in the language. Simultaneously, he will be familiar with the economic, political, and cultural aspects of contemporary Germany. He must have an understanding of German phonology and the stylistic elements of the German language. After reading certain specimens of German folklore and folksongs he will complement his knowledge in this field with additional studies of articles and books on the same subject. Participation in Independent Study in the senior year will result in specialized knowledge of modern authors and of certain literary fields. Through careful interpretation of texts the major will be prepared to recognize the characteristics of a period and of its authors. In the 50 course further independent research in the study of literature and language is offered.

Required for a Major: 31.2, 32.1, 43.1, 44.1, 46.2, 47.2, Independent Study, and the General Examination.

11.1 and 11.2 Beginners' German Fall and Spring
The first few weeks will be devoted to an aural/oral approach with strong stress on the correct reproduction of the German sounds and of German intonation. The use of prepared tapes in the Language Laboratory will complement classroom instruction. German grammar will be covered in the first semester, and the second semester will be given to grammar review. Texts in the grammar will be supplemented by graded reading matter from the early weeks on, and more difficult material will be introduced gradually. Laboratory fee $3 per semester. Mr. BERNDT, STAFF

21.1 and 21.2 Intermediate German† Fall and Spring
After a brief review of some of the more difficult aspects of grammar conversation, composition, and reading are stressed in the first semester. The

second semester will add an introduction to German literature primarily through the study of poetry of its great writers, and a general survey of the German scene, Germany's towns and regions will be presented. (German 11, or generally two years of high school German) Laboratory fee $3 per semester.
Mr. BERNDT, STAFF

22.1 and 22.2 Scientific German† Fall and Spring
With a review of certain grammatical phenomena which characterize scientific writings the student learns to translate scientific texts in various fields to become able to consult original German books, articles, newspapers, etc., independently and correctly in his college work or later. (German 11 or equivalent) Not open to students who have taken German 21. MR. BERNDT

31.2 Modern German Literature§ Spring
Through the detailed study of selected works of German literature after 1885 to the present the students will be introduced to the various currents of modern German prose, drama, and poetry. Writers and their works will be seen in the light of the political and cultural development of the period. (German 21 or equivalent) Mr. NEUSE

32.1 Writing and Speaking German Fall
The use of oral German on a more advanced level will be practiced so that the student will be able to express himself more easily in his class work. Written compositions emphasizing certain stylistic aspects of modern German aim to help him in writing his compositions and papers with more accuracy and fluency of style. (German 21 or equivalent) Laboratory fee $3.
Mr. NEUSE

[43.1 Survey of German Literature from Sachs to Lessing§]
This course gives the student a brief survey of the German main currents of literature from the Age of Humanism to the Age of Reason. (German 31.2 or 32.1) Offered in alternate years; to be given in 1965–66.

44.1 German Civilization§ Fall
The mere geographical facts will be amplified by studies in German cultural history, economic development, philosophy and thought. German art and foklore form part of the subject matter of this course. (German 31.2 or 32.1) Offered in alternate years; not to be given in 1965–66. Mr. NEUSE

46.2 Literature of the 19th Century§ Spring
The study covers the major authors from the Romantic Period to Naturalism, and a specified number of their works are read and analyzed and interpreted in connection with the literary tendencies and the growth of the industrialization of Central Europe. Novels, novelettes, plays, and poetry are evenly distributed in the reading material that the student is expected to cover. (German 31.2 or 31.2) Offered in alternate years, not to be given in 1965–66.
Mr. NEUSE

[47.2 Goethe and Schiller§]
Goethe's *Faust* and other plays by both authors beside examples of Goethe's poetry and of ballads form the major content of this course which also presents

a general picture of the Classical Period. (German 31.2 or 32.1) Offered in alternate years; to be given in 1965–66.

50.1, 50.2 Advanced Studies in Language and Literature

Fall and Spring

Students with proper qualifications may enroll in this seminar course which allows the selection of some special and limited field in which research may be carried on through a semester. (Permission) Mr. NEUSE

RUSSIAN

Professor: M. H. FAYER (*chairman*)*; Lecturer: Mrs. B. O. NORMANO†; Instructor: S. F. ORTH; Lecturer: Mrs. T. S. KELLY

Majors planning to teach Russian are expected to take language and literature courses in other departments. Those preparing for government service are expected to take courses in Political Science or in the Division of Social Sciences.

Courses in Russian Literature and Civilization Conducted in English

While more and more students enter Middlebury College with two or three years of high school Russian, the majority of freshmen enrolling in Russian are still beginners. A minimum of two years in the language is required before one can apply it to the study of literature and civilization. In order to introduce the major to Russian culture as soon as possible and while he is still learning the language, the Department offers the following courses conducted in English: 25.1 (Russian Literature and Culture), 25.2 (Political and Social History of the U.S.S.R.), and 35.1 (Tolstoy and Dostoevsky: Their Works and Influence). These courses are open to sophomores and also serve students in other departments.

The courses conducted in English acquaint the major with the broader aspects of Russian literature and civilization and make his task much easier in his junior and senior years when he continues the study of Russian literature and civilization in courses conducted in Russian.

Required for the Major: 25.1, 25.2, 31, 35.1, 35.2 and Independent Study. Russian 41 is strongly recommended, but is required only of those majors who, in the opinion of the Department, need greater proficiency in writing and in speaking.

11.1 Beginners' Russian Fall

The students are introduced to the language through oral practice. Subsequently, writing and the elements of grammar are gradually introduced. The emphasis is on the spoken language of everyday use. Reading of easy Russian texts, singing and dramatization with a view to vocabulary building and accurate pronunciation. (Russian 11.2 must be passed before credit for 11.1 is given.) Laboratory fee $2.00. STAFF

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*On leave, first semester 1964–65
†Acting Chairman, first semester 1964–65

11.2 Beginners' Russian Spring
Elements of grammar, oral and written exercises. Reading of connected narratives of increasing difficulty. Written compositions and conversations based on the readings. Two laboratory hours weekly. Laboratory fee $2.00.
STAFF

21.1 Intermediate Russian Fall
Systematic study of grammar. Introduction through simplified texts to the life and culture of Tsarist and Soviet Russia. Dictation, composition, conversation, and extensive work with tape recordings. (Russian 11.2 or equivalent) Laboratory fee $2.00. STAFF

21.2 Intermediate Russian† Spring
Grammar review. Introduction through simplified texts to Russian literary masters. Study of idioms and word formation. Emphasis on oral expression. Extensive work with tape recordings. Laboratory fee $2.00. STAFF

[**25.1 Russian Literature and Culture (in English)§**] Fall
Russia before the Revolution; a survey of Russian institutions and ideas up to the Bolshevik Revolution, with special emphasis on the culture of the 19th century. The major part of the course will deal with the great literary figures: Pushkin, Gogol, Goncharov, Turgenev, Tolstoy, Dostoevsky, and Chekhov. No knowledge of Russian is required. Offered in alternate years; to be given in 1965–66. No prerequisite.

[**25.2 Political and Social History of the U.S.S.R. (in English)**] Spring
The Russian Revolution and its historical background. The political, social and cultural evolution of Soviet Russia from 1917 to the present time. Special emphasis is placed on the theory and practice of Russian Communism. No knowledge of Russian is required. Offered in alternate years; to be given in 1965–66. (Counts as a Group B course.) No prerequisite.

31.1 Conversation and Composition Fall
Prepared discussion on assigned topics with definite vocabulary preparation; oral and written reports and class discussions, based on reading selections from standard Russian authors. STAFF

31.2 Conversation and Composition Spring
Reading of Russian newspapers and magazines. Introduction to area studies: geography, history, population, industry, agriculture, religion, commerce, education, art, etc. Oral and written reports on assigned topics and class discussions. Designed to build an extensive vocabulary and increase oral fluency. STAFF

35.2 Contemporary Russian Literature (in Russian)§ Fall
Major literary trends since 1880 in Russian drama and fiction, with special emphasis on Chekhov and 20th century writers: Gorky, Alexei Tolstoy, Sholokhov, Leonov, Simonov and others. Mrs. NORMANO

35.1 Tolstoy and Dostoevsky: Their Works and Influence (in English) § Spring

A study of the period, significant works, influence at home and abroad. Lectures, oral and written reports, class discussions. Offered in alternate years: not to be given in 1965–66. No prerequisite. Mr. FAYER

41.1 Advanced Language Study through Literature Fall

Based on the reading of 19th century short stories and plays by Russian masters. Intended for students desiring to combine extensive reading with oral and written expression. Particular emphasis will be placed on advanced grammar and syntax. (Russian 31.2 or permission) Mrs. NORMANO

41.2 Advanced Language Study through Literature Spring

Based on reading of 20th century short stories and plays, mostly by Soviet writers. Emphasis is on the more difficult points of grammar and syntax. Mr. FAYER

50.1 and 50.2 Advanced Studies in Language and Literature Fall and Spring

Students who have the proper qualifications may undertake a special problem in reading and research. Mr. FAYER and STAFF

SPANISH AND ITALIAN

Professor: S. GUARNACCIA (*chairman*)*; Lecturer: Mrs. C. CENTENO†; Assistant Professor: L. M. PERRY; Instructors: Miss P. MARTINEZ, M. MOFFA, R. OSUNA

The Major in Spanish consists of a body of courses which leads systematically to the perfection of the ability to read, speak and write Spanish, and to a general knowledge of the broad aspects of Spanish and Spanish American Literatures and Civilizations. A comprehensive examination is required of all majors in May of the senior year, covering in breadth and depth the cumulative materials of the four years of course work.

A study of Spanish literary style, of literary and historical movements is designed to lead the student to an appreciation of the creative genius of the various civilizations which make up the Spanish speaking world. The detailed study and discussion of the great literary creations will be further enhanced by studies in artistic movements affecting developments in painting, sculpture and architecture, as well as in music.

Required for a Major: 31, 40, 43.1, 43.2, 44, 45, Independent Study, and the General Examination. Women majoring in the Spanish Department are required to live in the Casa Espanola one year, preferably the junior year.

Spanish

11.1 Beginners' Spanish Fall

Elements of pronunciation; fundamentals of grammar; reading of cultural materials; dictations; vocabulary building. (Spanish 11.2 must be passed before credit for 11.1 is given.) Laboratory fee $5.00. STAFF

*On leave 1964–65
†Acting Chairman 1964–65

11.2 Beginners' Spanish Spring
A thorough study of regular, irregular, radical changing, and orthographic changing verbs; the subjunctive in noun, adjective and adverbial clauses; laboratory work to perfect pronunciation, with tape recordings and listening exercises. Laboratory fee $5.00. STAFF

12.1 Intermediate Spanish Fall
This course is offered for students who have had previous work in Spanish but whose preparation is not sufficient to admit them to the review class. It will consist of a brief grammar review and intense reading and class discussions of Spanish and Spanish American short stories. Laboratory fee $5.00.
STAFF

12.2 Intermediate Spanish† Spring
The fine points of grammar will be taken up and then applied to stylistic expression. Written reports, reading of short stories, laboratory work to perfect pronunciation and intonation. Laboratory fee $5.00. STAFF

21.1 Review Grammar and Reading Fall
A thorough review of grammatical principles; readings in Spanish and Spanish American Literature to provide an introduction to literary periods; written reports; oral reports on outside reading. Designed for students with two or three years of high school Spanish and some training in understanding and speaking Spanish.
Mrs. CENTENO, Miss MARTINEZ, Miss PERRY

21.2 Review Grammar and Reading† Spring
Reading and discussion of outstanding figures in Spanish and Spanish American literature; written reports on individual research.
Mrs. CENTENO, Miss MARTINEZ, Miss PERRY

31.1 Vocabulary and Conversation Fall
Intensive aural and oral training will be combined with extensive reading. Planned to develop active basic vocabulary and facility in understanding spoken Spanish. (Spanish 21 or permission) Laboratory fee $4.00.
Mr. OSUNA

31.2 Introduction to Literature Spring
A brief survey of Spanish and Spanish American Literature as a preparation for further detailed study. Lectures, reading of characteristic works, oral and written reports. Laboratory fee $4.00. Mr. OSUNA

40.1 Spanish Literature from the Medieval Period to Cervantes and Lope de Vega§ Fall
The main trends of early Spanish Literature; lectures, commentaries, class discussions, oral and written reports. Offered in alternate years; not to be given in 1965–66. Mr. OSUNA

40.2 Spanish Literature from Cervantes to the Contemporary period§ Spring
The theatre and novel after Lope and Cervantes, the Age of Enlightenment,

romanticism, modernism, realism, and contemporary movements will be studied and discussed in detail. Oral and written reports. Offered in alternate years; not to be offered in 1965–66. Mr. Osuna

[43.1 Spanish Civilization §] Fall
Study of the Spanish character and of Spain's contribution to world civilization; the geographical, ethnical, historical, political, and artistic evolution of Spain, together with a study of its traditions and customs. Offered in alternate years; to be offered in 1965–66.

[43.2 Spanish American Civilization §] Spring
With a similar method and paralleled subject matter to Spanish 43.1, this course will study Spanish America and its contribution to America's culture. Offered in alternate years; to be given in 1965–66.

44.1 Advanced Language Study Fall
A systematic and thorough review of Spanish grammar with particular emphasis on the most difficult points of syntax; composition, translation. Designed to give a good preparation in written Spanish to students planning to teach. (Spanish 21.2 or permission.) Mrs. Centeno

44.2 Advanced Language Study Spring
The idiomatic use of the Spanish language will be especially stressed, as it applies to the written and spoken language. Mrs. Centeno

[45.1 Spanish American Literature §]
From the Discovery to Modernismo. Spanish classical trends and their reflection in colonial literature. From the Crónicas de Indias to Romanticism. Offered in alternate years; to be given in 1965–66.

[45.2 Spanish American Literature §]
From Modernismo to the Contemporary Period. Romanticism, Modernismo, Post-modernismo, and the Contemporary period. Offered in alternate years; to be given in 1965–66.

46.1 Readings in Contemporary Literature § Fall
A sample of the most important works of Spanish and Spanish American contemporary literature will be read and discussed. Special emphasis will be placed on the short story, the novel and poetry. Research papers. Offered in alternate years; not to be given in 1965–66. Mr. Osuna

46.2 Readings in Contemporary Literature § Spring
The same procedure will be followed as for the first semester with the emphasis on the theatre, the essay and literary criticism. Offered in alternate years; not to be given in 1965–66. Mr. Osuna

50.1 and 50.2 Advanced Studies in Language and Literature
Fall and Spring
The student will work on an independent research project in consultation with a member of the Staff. Staff

Italian

15.1 Beginners' Italian Fall

A thorough training in pronunciation, dictation, grammar and conversation. Laboratory exercises will be used as an aid to the student. Varied readings from representative authors. Mr. MOFFA

15.2 Beginners' Italian Spring

The second semester will be devoted to a study of the Italian verb, the subjunctive and its applications, vocabulary building, and readings of more difficult texts. Mr. MOFFA

25.1 Second year Italian Fall

A review of grammar combined with intensive and extensive reading is designed to prepare the student for more advanced study of spoken and literary Italian. Mr. MOFFA

25.2 Second year Italian† Spring

The reading of Italian short stories and plays will be combined with lectures on cultural areas pertaining to Italian art, literature, and music. Mr. MOFFA

Division of the Social Sciences

Professor KARL L. ANDERSON, Chairman

ECONOMICS	PSYCHOLOGY
HISTORY	SOCIOLOGY-ANTHROPOLOGY
POLITICAL SCIENCE	TEACHER TRAINING

ECONOMICS

Professors: K. L. ANDERSON, D. K. SMITH (*chairman*); Associate Professor: J. V. CRAVEN; Assistant Professor: K. H. WOLFF; Instructor: J. T. WENDERS

The Economics Department basically seeks to develop the student's capacity for economic analysis. The importance of economic problems calling for clear thinking is obvious. The Department believes that a knowledge of the literature of Economics, what tools are available for analysis, and how they may be used should make possible effective work by the students majoring in the field.

The major normally acquires fundamental tools in the sophomore year—Principles, Statistics, and Accounting. The mastery of the "tool" courses permits advanced study in the major areas of Economics in the junior year. The work of the senior year centers on Independent Study, in which the student utilizes his previous training on a series of projects under departmental direction. The General Examination is the natural culmination of the integrated program of the Economics major.

Required for a Major in Economics: 21.1, 21.2, 26.1, 27.1, 33.1, 38.1, 38.2, 42.2, one other semester course in Economics, Independent Study and the General Examination.
Cognate Courses Strongly Recommended: Mathematics and History
Cognate Courses Recommended: Geography and Political Science

21.1 Principles of Economics Fall
A study of the scope of Economics; economic systems; price theory; foreign trade; income distribution. STAFF

21.2 Principles of Economics Spring
A study of the determination of income and employment; the banking system and monetary policy; fiscal policy; aspects of foreign trade not covered in 21.1. (The two semesters of 21 may be taken in either order but credit for one semester is withheld until the other has been successfully completed.) STAFF

26.1 Economic Statistics Fall and Spring
A study of the theory and applications of statistics as they relate to Economics. Primary emphasis is placed on the use of statistical tools to organize and describe economic and business data. The topics covered include descriptive statistics, sampling theory and the testing of hypotheses, time series analysis, and correlation theory. (No student who takes Economics 26.1 for credit may also take Mathematics 35.1 for credit.) Calculating machine fee: $6.00. (Permission) Mr. WENDERS

27.1 Principles of Accounting Fall and Spring
The philosophy of Accounting; accounting procedures with maximum em-

phasis on the theoretical considerations involved; proprietorship accounting. (This course is strongly recommended for all students planning for graduate study in law or business.) Mr. SMITH

27.2 Principles of Accounting Spring
Accounting for partnerships and corporations with emphasis on contrasts between these two business forms and proprietorships; cost accounting; theory of accounting with emphasis on society's interest in accounting practices and the possible alternatives to those practices. (Econ. 27.1) Mr. SMITH

32.1 International Trade Fall
A study of international economic relationships in theory and practice. (Econ. 21.1 and 21.2) Mr. ANDERSON

33.1 The Theory of the Firm and the Consumer Fall
A detailed analysis of the pure theory of consumption and production, employing indifference curve techniques throughout. Particular attention is given to the derivation of supply and demand functions in both product and factor markets from the maximizing behavior of firms and consumers. A general equilibrium model is presented as a unifying element. Relevant mathematical tools are developed as needed. (Econ. 21.1 and 21.2) Mr. SMITH

34.2 The Corporation and the Economy Spring
A study of corporate financing; the corporation as an object of public policy; the corporation viewed as a major influence in the economy. (Econ. 21.1 and 21.2) Mr. CRAVEN

38.1 The National Economy Fall
A detailed analysis of the determinants of the level, growth, and fluctuations of national income, employment, and prices. The contributions of both the Classical and Keynesian theories are presented in a general equilibrium context. Modern theories of economic growth and business cycles are discussed. (Econ. 21.1 and 21.2) Mr. WENDERS

38.2 The National Economy Spring
A study of public policies affecting aggregate output, employment, prices, fluctuations and growth. The emphasis is upon fiscal and monetary measures as employed in the United States. (Econ. 38.1) Mr. ANDERSON

40.1 Economic Development Fall
A study of the attempts to broaden economic theory beyond static analysis toward a theory of the process of change and development. Various theories of development are examined against the background of economic history and recent experience of underdeveloped countries. (Econ. 21.1 and 21.2 and permission. Limited to twenty students) Mr. WOLFF

40.2 Economic Development Spring
An examination of specific development policies; the rationale for "planning" at different stages of development. An examination of the Soviet economy as an example of centrally controlled and planned development. (Economics 40.1 must be taken and passed before credit for 40.2 is given.) Mr. WOLFF

41.1 Labor Problems Fall
The history of the labor movement; union structure and government; economics of the labor market; labor legislation. (Econ. 21.1 and 21.2)
Mr. CRAVEN

42.2 Public Policy Toward Business Spring
A detailed analysis of the behavior of the firm under varying market structures and its public policy implications. In each case, the relevant theoretical tools are developed and applied to a particular industry in the United States. Emphasis is placed on modifications and extensions of the traditional theory of the firm as a tool for the analysis of existing market structures. Consideration is given to the dimensions of public policy throughout. (Econ. 21.1 and 21.2)
Mr. WENDERS

[44.2 Government Finance]
Principles and practices relating to government revenues, budgeting and expenditures, incidence and effects of taxation; fiscal policy; the use of public credit.

[45.2 Comparative Economic Systems]
An analysis of the alternative methods proposed and used for solving the universal economic problems under different social and political philosophies and forms of government.

[46.1 and 46.2 Economics of Business Management]
A study of the application of the principles of Economics to the decisions of management.

[48.1 and 48.2 Economic Thought and Modern Economic Tendencies]
A study of the great thinkers in Economics against the background of their times.

50.1 and 50.2 Selected Special Topics Fall and Spring
To be arranged for qualified students as need arises. STAFF

HISTORY

Professor: T. H. REYNOLDS; Associate Professors: P. E. TILLINGHAST (*acting chairman*), W. B. CATTON, W. HARRIS; Instructors: H. M. STEELE, JR., R. D. MARTIN, Miss M. E. LAMBERTI

The Major in History combines an introduction to several areas of historical knowledge and extensive study in one of these areas with intensive training and practical work in historical research. To this end all majors in History are required to take two courses from among History 12 (The History of Western Europe), History 22 (American History), and History 33 (Middle East and Africa). History majors in their junior year will take two one-semester pro seminars which are intensive research courses in a relatively small area of History. Also in the junior year majors will take History 39 (The Literature of History), a study of the major historians and the major historical problems of either

American History, Modern European History or Non-Western History. This course assists History majors in preparing for a comprehensive examination taken at the end of junior year on their principal work in History up to that time. Seniors take History 40 (A Seminar in the Philosophy of History) and History Independent Study. The Independent Study program permits selected seniors to write a senior thesis as their Independent Study while others prepare themselves for a senior comprehensive exam by independent reading from a provided reading list. History majors seeking departmental honors may combine a senior thesis with an honors project providing they meet the college standards for departmental honors. Others courses in History and cognates in Economics, Political Science, English and American Literature, and foreign languages are selected with the advice of the History major's faculty advisor.

Required for all History majors: Two year courses from among History 12, History 22 or History 33; two one-semester pro seminars; History 39; History 40 and Independent Study.

12.1 History of Western Europe Fall

Stresses the evolution and interaction of basic ideas and social institutions from the foundation of Western Christendom to the Peace of Westphalia (1648). The course is based on the assumption that the student is already familiar with the broad outlines of European History. Readings from original (paperback) sources will be emphasized. 2 lectures and 1 preceptorial are held each week. (Primarily for freshmen, sophomores; juniors and seniors admitted by permission only.) Mr. TILLINGHAST, Mr. STEELE and STAFF

12.2 History of Western Europe Spring

Stresses the readjustments which have occurred in the pattern of European life as a result of rapid technological and social change. The course covers the period from the Enlightenment to mid-20th century. (History 12.1 or permission) Mr. TILLINGHAST, Mr. STEELE and STAFF

[**13.1 Ancient History**]

[**13.2 Ancient History**]

22.1 American History 1783-1865 Fall

History 22 is organized on the assumption that most students will have previously done work in American History and have a knowledge of the basic narrative material of this field of study. Accordingly lectures and reading will stress interpretations and will be topical in nature. History 22 is the normal introduction to further work in American History. The first semester analyzes the development of distinctive American institutions through the Civil War. The lectures, readings and discussions emphasize the political and economic structure of the nation. Mr. MARTIN

22.2 American History 1876-1952 Spring

Continues the approach of 22.1. This course emphasizes the responses to the crisis of industrialization, the changing relationship between government and the economy, social and intellectual developments and the emergence of the United States as a major world power. Mr. MARTIN

23.1 Modern English History Fall
From the Tudor Period to the end of the First British Empire (1763). The course emphasizes the religious, social and political development of modern Britain. Given in alternate years; not to be given in 1965–66.
Mr. TILLINGHAST

30. Pro Seminars in American History
The following courses with prefix History 30 are all Pro Seminars in various phases of American History. Pro Seminars are courses in which the student is expected to produce written history involving research. To this end approximately the first six weeks of the course are devoted to classroom work with the instructor in the area of the course. Required reading stresses bibliography. During the remaining nine weeks students write an original thesis using scheduled class time to report their progress. Research topics are so chosen to improve the knowledge of the entire class in subject area. Pro Seminars are required of all history majors in their junior year and are open to others by permission.

30a Topics in the History of the American Colonies 1630-1760 Fall
Emphasizes the British colonies of North America primarily in New England and New York. Reading and reports will generally deal with the development of political and ecclesiastical institutions and thought.

30b Topics in the Early National Period 1790-1850 Fall
Emphasizes the Federalist Period and the Age of Jackson. Topics include the development of parties and the issues and problems of national development.

30c Topics in the Age of Reform 1880-1920 Spring
Emphasizes the urbanization of America and the period of the great reforms between 1880–1918.

30d Topics in the New Deal and World War II 1930-1945 Spring
The development of the political and economic institutions and the intellectual outlook of our own age.

30e Topics in the Age of the American Revolution 1763-1790 Fall
The breaking of the imperial tie, the ideology of revolution, and the formation of new national institution.

31. Pro Seminars in European History
The following courses with prefix History 31 are all Pro Seminars in various phases of European History. Pro Seminars are courses in which the student is expected to produce written history involving research. To this end approximately the first six weeks of the course are devoted to classroom work with the instructor in the area of the course. Required reading stresses bibliography. During the remaining nine weeks students write an original thesis using scheduled class time to report their progress. Research topics are so chosen to improve the knowledge of the entire class in subject area. Pro

Seminars are required of all history majors in their junior year and are open to others by permission.

31a Topics in the High Middle Ages 1150-1350 Fall
Problems in the intellectual, political and religious life of Europe with special attention to France and the Papacy.

31b Topics in the Renaissance 1350-1600 Spring
Studies in the intellectual and artistic innovations in European culture with particular reference to Italy and England.

31c Topics in the Era of the French Revolution 1789-1799 Fall
The political, economic, social and intellectual impact of the revolution on France and on Europe.

31d Topics in the Age of Imperialism 1870-1920 Spring
The diplomatic, administrative, and economic foundations of 19th century imperialism with emphasis on Africa.

31e Topics in the 2nd French Empire 1850-1870 Spring
The political, economic, social and intellectual bases of the power of Napoleon III and the use of that power in international relations.

31f Topics in the Age of Exploration 1415-1650 Fall
The widening geographical, economic and political horizons of European civilization with emphasis on the contributions of Spain and Portugal.

[32.1 Economic History of the United States]

[32.2 Economic History of the United States]

33.1 The Middle East and Africa—an historical study Fall
Special problems connected with the study of non-western history, traditional African society, the genesis and diffusion of Islamic institutions, and peripheral contact with classical and western culture. Two lectures and one preceptorial are held each week. Mr. STEELE

33.2 The Middle East and Africa—an historical study Spring
Traces the rise of European influence in the Middle East and Africa and the development of international institutions in connection with colonization and decolonization. The variety of response to the impact of modern European civilization is emphasized. Mr. STEELE

34.1 History of Modern Europe 1870-1914 Fall
An analysis of the social, economic and political growth of Europe from the Franco-Prussian War to World War I. Concentration by the student in a special area or country is encouraged. (History 12 or permission)
Miss LAMBERTI

34.2 History of Modern Europe 1914-1950 Spring
Continuation of History 34.1 in the Modern Period with special attention

given to the rise of modern totalitarianism. Concentration by the student in a special area or country is encouraged. (History 34.1 or permission)
Miss LAMBERTI

36.1 American Thought and Culture Fall
The colonial and early national period. The course analyzes European cultural institutions as they emigrated from the old world to the new. The growing intellectual life of the new nation is studied in connection with the continuing influence of new ground on old institutions. Extensive reading in American intellectual history with lectures providing a frame of reference. (History 22.1, or American Literature 21, or permission). Mr. REYNOLDS

36.2 American Thought and Culture Spring
The Civil War to the present. This course emphasizes the growth of an indigenous American culture and the appearance of American contributions to the intellectual life of western civilization. (History 36.1 or permission).
Mr. REYNOLDS

39.1 The Literature of History Fall
Extensive directed reading in the field of the student's choice designed to give him a thorough grounding in the secondary literature and major interpretive problems of the area. The course will be divided into three sections each dealing with a particular area of history. Students in each field will meet weekly as a group with a staff member teaching in that field. Sections will be offered in American, European and non-western history. (Required of majors in History in their junior year, open to others by permission.)
Mr. CATTON, Miss LAMBERTI, Mr. STEELE

39.2 The Literature of History Spring
For majors in History the final examination in this course constitutes a junior comprehensive examination for majors in History. (Required of History majors in their junior year, open to others by permission.)
Mr. CATTON, Miss LAMBERTI, Mr. STEELE

40.1 Philosophy of History Fall
A study of the nature of history and history writing. The philosophy of history is discussed as speculative philosophy and as critical philosophy. The development of philosophy of history is traced from Herodotus through Vico. Readings in Augustine, Gregory of Tours, Machiavelli, Vico, Gibbon, Macaulay, and Carlyle. (Required of seniors majoring in History, open to other seniors by permission.) Miss LAMBERTI, Mr. TILLINGHAST

40.2 Philosophy of History Spring
The philosophy of history is examined from the 18th century to the present. Readings in Hegel, Marx, Nietzsche, Spengler, Toynbee and others. (Required of seniors majoring in History, open to other seniors by permission.)
Miss LAMBERTI, Mr. TILLINGHAST

45.1 Intellectual History of Modern Europe Fall
This course traces the history of ideas and their impact on society beginning

with the scientific revolution of the 16th and 17th centuries and continuing to the present. Among topics treated are the Enlightenment, Romanticism, Social Darwinism, Socialism, the New Physics and contemporary intellectual developments. Mr. TILLINGHAST

45.2 Intellectual History of Modern Europe Spring
Continuation of History 45.1 (History 45.1 or permission)
Mr. TILLINGHAST

[48.1 History of East Asia]

[48.2 History of East Asia]

50.1 and 50.2 Fall and Spring
Special research projects in History. (Permission only) STAFF

POLITICAL SCIENCE

Professor: C. L. HOAG; Associate Professor: H. E. THURBER (*chairman*); Instructors: P. E. NELSON, N. L. AXWORTHY

The Major in Political Science provides a broad background of knowledge of government and politics and supplies a framework within which individuals may review national and international affairs. Essentially the major program provides an understanding of political phenomena through the study of policy-making and its implementation which stresses the theoretical structure and its close relationship to practical politics. The Department offers a selected core curriculum with an opportunity to pursue the discipline further through independent study and research. Cognate courses for the Political Science major may range over a broad field and may be planned variously to meet differing purposes of the students. However, the required Economics course (Econ. 21) should be taken in the sophomore year, and it is recommended that at least one course in Political Science be elected each year.

Required for a Major: 11.1, 11.2, Independent Study and the General Examination; Economics 21.1, 21.2. A total of 30 semester hours in Political Science must be completed in order to satisfy major requirements.

Recommended: American Literature 21.1, 21.2; Economics 38.1, 38.2, 41.1, 42.2, 44.2; Geography 25.1, 25.2; History 12.1, 12.2, 22.1, 22.2; Psychology 11.1, 11.2; and Sociology 12.1, 12.2. Other courses may be recommended to fit the purposes of individual students.

11.1 and 11.2 American Government Fall and Spring
General introductory course, based on a study of the national government and state and local governments, their basic theories, structure, powers, and operation, and their relationships with each other. Principles of politics and political behavior; the political issues and values found in American society; case studies in practical politics and government. Two lectures and one discussion section per week. (Prerequisite for all other courses in the department. Political Science 11.2 may be taken prior to 11.1 with permission.) STAFF

20.1 and 20.2 International Politics Fall and Spring
A study of the relations among states, to include both "major" and "lesser"

powers, the process by which policy is made; the factors that tend to shape policy. The international political process; interaction among states; basic factors in world politics; regional and international political and functional organization. (Pol. Sci. 11.1, 11.2.) Mr. AXWORTHY

21.1 State and Local Government Fall
Rural and urban units of local jurisdiction, including townships, counties, special purpose districts, regional districts, villages, cities and city-county organization. Powers and limitations, and the significance of their place in American affairs. Relevant comparisons with local government in other countries. (Pol. Sci. 11.1, 11.2) Mr. AXWORTHY

22.1 Comparative Government Fall
Comparative analysis of selected foreign governments with emphasis on constitutional theory and practice and the relationship of the governments to their social and economic environments and to their international environments. Great Britain and the Soviet Union are studied in the first semester. (Pol. Sci. 11.1, 11.2) Mr. THURBER

22.2 Comparative Government Spring
Continuation of 22.1. France, Germany and Canada. (Pol. Sci. 11.1, 11.2) Mr. THURBER

33.2 Administration Spring
Principles involved, followed by an analysis of various problems encountered by administrators. Comparisons of administration and administrative problems in public jurisdictions and private institutions. (Pol. Sci. 11.1, 11.2) Mr. NELSON

35.1 Governments and Politics of the Far East Fall
A study of the governmental systems of selected countries of the Far East. Attention given to ideology, political institutions, social and economic development as well as foreign relations. Emphasis upon the postwar period as influenced by nationalism and communism. China and Korea. (Pol. Sci. 11.1, 11.2) Mr. HOAG

35.2 Governments and Politics of the Far East Spring
Continuation of 35.1. Japan and India (Pol. Sci. 11.1, 11.2) Mr. HOAG

36.1 and 36.2 American Foreign Policy Fall and Spring
Analysis of policy in the postwar period as reflecting the response of the United States to the requirements of leadership in a changing world. Emphasis upon the relation of policy to the political process. Special attention given to recent developments in the Executive branch as affected by the requirements of national security and international development. Evaluation of American policy in the Cold War by means of special case studies in particular problem areas. (Pol. Sci. 11.1, 11.2) Mr. HOAG

38.1 Political Theory Fall
An examination of contemporary theoretical positions in or affecting political science, followed by study of the writings of selected Greek, Roman,

Christian, Jewish and Muslim political philosophers. The period covered in the historical part of the course is roughly from Plato to Machiavelli. (Pol. Sci. 11.1, 11.2) Mr. NELSON

38.2 Political Theory Spring
A continuation of 38.1, from Machiavelli to the present. (Pol. Sci. 11.1, 11.2) Mr. NELSON

40.1 American Politics and Legislation Fall
The American political process; the theory and practice of politics; the functions and activities of political parties and interest groups and their role in the initiation and control of governmental policies, including a consideration of crucial political issues and practical politics. (Pol. Sci. 11.1, 11.2) Mr. THURBER

40.2 American Politics and Legislation Spring
The formal and informal aspects of legislative organization and procedure; a study of political power as it is found in the legislative process and in the activities of the power groups found in American society. Closely related to current legislative proceedings. (Pol. Sci. 11.1, 11.2) Mr. THURBER

41.1 United States Constitutional Law Spring
An overall examination of American constitutional law, utilizing leading cases and supplementary materials. The emphasis will be upon the relationship between political, social, and economic factors of constitutional growth and development. (Pol. Sci. 11.1, 11.2) Open to juniors and seniors. Mr. NELSON

41.2 Political Behavior Fall
A study of the theories and concepts involved in the behavioral approach to politics. The course will include an analysis of a number of empirical and theoretical studies, with particular attention paid to the development of methods and techniques of research illustrated by the study of American politics. (Pol. Sci. 11.1, 11.2) Open to juniors and seniors. Mr. AXWORTHY

[**42.1 International Politics: Theory**]

[**42.2 International Politics: Theory**]

50.1 and 50.2 Advanced Projects in Research Fall and Spring
STAFF

PSYCHOLOGY

Associate Professor: A. H. EWELL (*chairman*); Assistant Professor: D. L. PROUTY; Lecturer: F. W. SWIFT

For the student who majors in psychology engagement with experimental data lays the basis for an empirically-founded and objective formulation of principles of human behavior. He may encounter the data in published research reports, in his regular laboratory work, and in connection with his own research along lines that he finds important. The relevant observations may involve human subjects or sometimes infra-human subjects

for the better experimental control that they may permit. Whatever the source of his observations, he comes to see them as products of the experiments that generated them, and thus he evaluates their importance for hypothesis or generalization.

As a psychology major the student takes a program of elective and required courses in psychology and related disciplines. By the end of his sophomore year, through work in Psychology (11.1, 11.2 and 25.2), in Mathematics, and in Biology and/or Chemistry, he has acquired familiarity with many of the data, concepts, and research procedures essential to an understanding of human behavior. During his last two years he makes use of his accumulated knowledge and skills in his deep involvement with several areas of central importance to psychology (Psychology 30.1, 31.2, 32.2, 41.1).

Students generally choose to complete as much as possible of their formal course work toward the major by the end of the junior year so that their work in psychology as seniors can be devoted to independent reading and investigation and to individual research in Psychology 50 or in an Honors Project.

Required for a Major in Psychology: 11.1, 11.2, 25.2, 30.1, 41.1, Independent Study and the General Examination, and at least three additional one-semester courses in Psychology; Mathematics 11.1, 11.2, or 12.1, 12.2; Biology 23.2 or at least three semester courses in Biology and Chemistry.

The selection of cognate courses will depend upon the student's purposes in majoring in Psychology.

11.1 and 11.2 Fundamentals of Psychology Fall and Spring

To acquaint students with the foundations of psychology and also to serve as basis for advanced work in the field, this course deals with the scientific study of human behavior. The lectures and discussions constitute a detailed examination of the major topics of psychology on the behavioral, cognitive, and biological levels, and explore the nature and variety of behavior with a view to providing a set of explanatory principles. Credit for Psychology 11.1 will not be given until Psychology 11.2 is satisfactorily completed. The final examination in Psychology 11.2 will cover the year's work. (Open to freshmen and sophomores without permission. Open to juniors and seniors with permission.) STAFF

25.2 Human Factors Research Spring

This course introduces the student to psychological experimentation particularly as it relates to the variables influencing human performance. The student comes to grips with problems of the design and conduct of experiments as well as the proper procedures for analyzing and reporting the experimental results. (Psych. 11.1, Math. 11.1 or 12.1, permission) 3 hrs. lecture, lab.—3 credits. Computing machine fee, $6. STAFF

28.1 Developmental Psychology Fall

The purpose of this course is to examine in detail the process of human development in terms of the principles and methods of psychology. The emphasis of the course is on the genetic foundations of behavior and the role of genetic and experiential interaction in the development of the individual. (Psych. 11.1 and 11.2) Mr. PROUTY

29.1 Social Psychology Spring

After a brief review of the implicit assumptions, both historical and contemporary about "the nature of human nature," this course develops a psy-

chological framework for describing social phenomena in terms of the individuals involved in the situation and the general principles of psychology. Problems of language, communication, attitudes, and group dynamics are studied in detail. Basic principles are illustrated by reference to many different social phenomena. (Psych. 11.1, 11.2, and permission) Mr. SWIFT

30.1 Psychophysics Fall

Lectures deal with the nature, definition, and measurement of the sensory unit, the relations of stimulus parameters to this unit, and the procedures for analysis of psychophysical and other psychological data. Laboratory work includes study of classical and contemporary procedures for evaluating the sensory unit and for establishing psychophysical relationships. (Psych. 25.2, Math. 11 or 12) 3 hrs. lecture, lab.—3 credits. Laboratory fee $5. Mr. EWELL

31.2 Experimental Psychology: Learning Spring

The course involves a detailed examination of research in the area of learning with respect to problems of experimental design and theoretical interpretation. The topics studied include Pavlovian conditioning, operant conditioning, discrimination, transfer of training, and major learning theories. The laboratory work in this course requires the student to participate in the design, carrying out, and analysis of experiments relating to the lecture topics. (Psych. 30.1) 3 hrs. lecture, lab.—3 credits. Laboratory fee $5. Mr. PROUTY

32.2 Experimental Psychology: Sensation and Perception Spring

The sensory and perceptual processes in humans are studied in terms of behavioral, cognitive, and physiological research findings that delineate their characteristics. Laboratory work considers quantitative, as well as qualitative, description of these processes. (Psych. 30.1) 3 hrs. lecture, lab.—3 credits. Laboratory fee $5. Mr. EWELL

33.1 Measurement of Human Performance Fall

The course considers the problems involved in the description and measurement of human behavior. Specific tests of ability and tests of typical performance are examined as attempted solutions to these problems. The emphasis of the course is placed on the nature of measurement, the derivation and interpretation of measures, and the use of test results in understanding human behavior. (Psych 11.1 and 11.2) Mr. PROUTY

38.2 Personality Spring

This course emphasizes the scientific conceptualization of the unique individual personality. Various historical and contemporary formulations are critically examined in the light of both the available experimental evidence and the criteria for acceptable hypotheses. On the basis of these considerations, the course attempts to specify appropriate approaches to, and conceptualizations of, the individual. Each student demonstrates his understanding of the field by writing a case study. (Psych. 11.1, 11.2, and permission) Mr. SWIFT

41.1 Physiological Psychology Fall

Lectures deal with the ways in which underlying neurophysiological, neuro-

anatomical, and endrocrinological processes affect behavior. In laboratory work the student learns electrode implantation and other techniques for direct study of brain-behavior relationships in living organisms. (Psych. 11.1, 11.2, and permission. Permission will be granted to students having strong backgrounds in psychology, biology, or chemistry.) 3 hrs. lecture, lab.—3 credits. Mr. EWELL

46.2 Psychopathology Spring

An initial series of lectures deals with the symptomatology and nosology of mental illness. The research literature on the etiology of mental illness, and on selected topics in psychopathology (e.g., epilepsy, experimental neurosis, psychotomimetics) is reviewed and assessed by student panels or through student research papers presented to the seminar. (Psych. 11.1, 11.2, and permission) Mr. EWELL

50.1 and 50.2 Advanced Study Fall and Spring

A program of research arranged to meet the needs of students majoring in Psychology. STAFF

Independent Study and General Examination

The General Examination in Psychology covers the field of psychology rather than specific course material. During Independent Study the student prepares himself for the General Examination and will also choose one or a small number of topics to pursue deeply on his own. He will report to his fellow students several times during the year on this work.

SOCIOLOGY-ANTHROPOLOGY

Associate Professor: N. W. OFSLAGER (*chairman*); Instructors: R. K. HAERLE, JR., N. B. SCHWARTZ

The Major in Sociology-Anthropology includes two closely related disciplines: Sociology and Anthropology. Both disciplines have as their common core inquiry about and major concern for mankind in a social milieu, yet each has its own history, concepts, and schools of thought. Anthropology concentrates on the origin and the development of mankind, and on the culture, ethnology, institutions and social organization of non-literate people and peasant groups. Sociology concerns itself with the theory, empirical findings and research methodology bearing on man's diverse activities.

Specifically, in the Sociology-Anthropology major the student achieves a knowledge of general theory in Sociology and Anthropology as well as a substantial knowledge of at least one primary area in Sociology and/or Anthropology in addition to his broad background in the two fields. Through work in cognate courses, chosen with the consent of his advisor, the student sees the role of Sociology and Anthropology in the context of their related disciplines.

Required for a Sociology-Anthropology Major: A total of 30 hours in the Department is required, including 12.1, 12.2, 28.2, 39.1, 40.1, Independent Study and the General Examination, plus three semester courses to be selected by the students with the consent of their advisor. Cognate courses will be planned with the student's advisor, as well.

12.1 Introduction to Anthropology Fall and Spring
A systematic study of culture and cultural processes. Major theoretical concepts of anthropological analysis. Application of these concepts to the comparative study of primitive societies. (Credit for either 12.1 or 12.2 is contingent upon completion of the other.) Mr. SCHWARTZ

12.2 Introduction to Sociology Fall and Spring
A systematic study of society and social organization. Major theoretical concepts of sociological analysis presented and applied to the basic institutions of man and areas of specialized interest. Emphasis on American society. Mr. HAERLE

23.1 Physical Anthropology Fall
A study of human evolution from man's antecedents to the emergence of modern man. Special attention is given to a comparative analysis of the biological features which form the bases of culture, to interpretations of the fossil record, to animal and primitive human behavior, and to modern human variability. The interplay of basic cultural and biological factors in human evolution is emphasized. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. OFSLAGER

23.2 Problems in Ethnography Spring
A critical survey of outstanding ethnographic studies. An examination of the range of problems encountered and the approaches employed in anthropological field research, of study designs and of specific techniques used for collecting and analyzing data. An assessment of the relationships between ethnography, ethnology and the theory of culture. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. SCHWARTZ

28.1 Peasant Society and Culture Fall
Comparative analysis of contemporary peasant societies and cultures. Examination of the social position of the peasants in the wider society of which they form a part. Study of the distinctive folk traditions and customs of peasant societies. Analysis of the impact of twentieth century political and economic changes on the cultural values and social systems of differing types of peasant societies. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. SCHWARTZ

28.2 American Community Studies Spring
An examination of representative communities and subcommunities, within the framework of the folk-urban continuum. The structure of social class, status and power, and the relationship among institutions within the community. Assessment of methodological approaches. (Soc.-Anthro. 12.1, 12.2 required; 28.1 recommended) Mr. HAERLE

32.2 Socio-cultural Change Spring
Dynamics of society and culture. Historical review of anthropological theories of change. Contemporary theories of change examined with reference to selected case studies of innovation, diffusion, acculturation and technical change. Practical implications for programs of planned social change and technological improvement in non-Western areas. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. SCHWARTZ

34.1 Majority-Minority Relations Fall
Focus on the causes, purposes, and consequences of prejudice, discrimination, and segregation, especially as they are manifested in various institutional contexts. Problems of self-conception, adjustment patterns, social movements, community organization, and styles of life. Special emphasis on the Negro American. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. HAERLE

36.2 American Indian Spring
An analysis of the major culture areas of native North America. Representative groups of Indians will be discussed in terms of ecology, racial and linguistic affiliation, social organization and values orientation. The diffusion of culture traits from Meso-America, Oceana, and Asia as well as intra-diffusion will be analyzed, along with the development of institutions. (Soc.-Anthro. 12.1, 12.2, 23.2, and permission) Mr. OFSLAGER

[37.1 Public Opinion and Mass Communication] Fall
Attitude formation and attitude change. Sociological factors determining the character of public opinion and propaganda. Processes and effects of various mass communications media. The role of opinion leaders and influentials. (Soc.-Anthro. 12.1, 12.2, or permission) Offered in alternate years; to be given in 1965–66.

38.2 Work and Society Spring
The study of work as a social and organizational phenomenon from two complementary points of view: (a) the sociology of occupations and professions, stressing the process of professionalization, career selection, and colleague and client relationships, and (b) industrial sociology, with emphasis on the conflict of formal and informal structures in industrial and bureaucratic organizations. Mr. HAERLE

39.1 Social Organization Fall
Analysis and comparison of the organized social behavior and institutions of non-literate societies. Detailed examination of the structure, functions and development of social organization in non-literate society. Special emphasis on kinship and legal systems of representative tribal societies. (Soc.-Anthro. 12.1, and 12.2) Mr. SCHWARTZ

39.2 Social Stratification Spring
The nature and functions of stratification in American society. Theories and evidence examined. Comparative analysis of the nature of the social classes and the influence of stratification on behavior, status, prestige, and institutionalized social roles. (Soc.-Anthro. 12.1, and 12.2 and permission; 39.1 recommended) Mr. OFSLAGER

40.1 Sociological Theory Fall
A critical study of the major writers from Comte to contemporary sociological theorists, examined in the perspective of various schools of sociological thought. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. OFSLAGER

40.2 Research Design Spring
The relationship of concepts, hypotheses, and theories to general principles

of research. The systematic procedures of design and measurement used by sociologists to obtain and analyze data about human groups and institutions. Several relatively simple research projects will be designed, tested, and the gathered data analyzed. (Soc.-Anthro. 12.1, 12.2, 40.1, and permission)
Mr. Ofslager

41.1 The Family Fall
Introduction to historical and comparative family systems. Emphasis on the American family, its organization, interaction patterns, and relation to other social institutions. Research problems in mate selection, marital adjustment, and family dissolution. (Soc.-Anthro. 12.1, 12.2, or permission) Offered in alternate years; to be given in 1964–65. Mr. Haerle

[42.1 Personality and Culture]
Relationship of personality, culture and society. Membership in a particular society with a distinctive culture as a factor in the development and modification of the personality. Theories and methods of study. Emphasis on comparative studies of non-literate groups. (Soc.-Anthro. 12.1, 12.2, and permission)

[43.2 Criminal and Delinquent Behavior]
Within the theoretical framework of deviant behavior, an analysis of etiological aspects of criminal behavior. Research problems in the definition of crime and criminal statistics. Special emphasis on the interrelation of theory and research as illustrated by delinquent behavior. (Soc.-Anthro. 12.1, 12.2, or permission)

44.1 Urban Sociology Fall
A study of urban phenomena, the historical, ecological, technological, demographic, and behavioral factors. Emphasis is centered on social institutions and group and individual behavior peculiar to urban institutions concluding with a treatment of metropolitan area planning. (Soc.-Anthro. 12.1, 12.2, and permission) Mr. Ofslager

50.1 and 50.2 Advanced Individual Study Fall and Spring
Open to qualified students, by permission.

TEACHER TRAINING

Director: F. G. Lane; Assistants: Mrs. R. W. Gleason, Mrs. H. E. Thurber

Students wishing to prepare themselves for teaching in grade schools or high schools may do so in one of two ways. They may participate in the Teacher Training Program at Middlebury and acquire sufficient professional education credits (usually 18) to qualify them for provisional certification in states and at the grade levels of their choice, or they may participate in fifth-year programs at Harvard, Yale, Wesleyan, or other universities. In either case they are advised to major at Middlebury in the subject they intend to teach or in one that will strengthen such teaching. There is no major in Teacher Training or Education at Middlebury.

Students who participate in the Teacher Training Program at Middlebury are prepared for teaching by concentration on liberal arts courses, which Middlebury is best

prepared to offer, and by obtaining professional education credits. These latter are obtained by taking courses offered in the Teacher Training Program and by selecting academic courses which qualify for such credit in the various departments of the College.

Procedure: Register with the Director. Such registration may take place at any time during the four years at Middlebury. However, early registration (preferably during the freshman or sophomore years) facilitates programming.

Freshman or sophomore years: Recommended, Psychology 11.1 and 11.2 (prerequisite for Psychology 28.1 and 33.1). Also History 12.1 and 12.2 (includes material on history and philosophy of education).

Junior or senior years: Recommended, Teacher Training 32.1 or 33.1.

Senior year: Recommended, Teacher Training 42.1, 42.2 or 43.1, 43.2.

ELEMENTARY

32.1 Problems and Methods Seminar—Elementary Spring
(Permission) Mrs. GLEASON

42.1 and 42.2 Practice Teaching—Elementary Fall
Usually taken concurrently. (Permission) Mrs. GLEASON

SECONDARY

33.1 Problems and Methods Seminar—Secondary Fall and Spring
(Permission) Dr. LANE

43.1 and 43.2 Practice Teaching—Secondary Fall and Spring
Usually taken concurrently. (Permission) Mrs. THURBER

Division of the Natural Sciences

Professor JOHN G. BOWKER, Chairman

BIOLOGY
CHEMISTRY
GEOGRAPHY, GEOLOGY
MATHEMATICS
PHYSICAL EDUCATION
PHYSICS

BIOLOGY

Professor: H. B. HITCHCOCK (*chairman*); Associate Professor: H. E. WOODIN; Assistant Professor: O. B. REYNOLDS; Instructor: A. S. GAUNT; Assistants: G. M. CHRISTOPHER, Mrs. A. S. GAUNT

The Department of Biology offers students the opportunity to learn about the living world. The department approaches the subject through lectures, correlated with and illustrated by laboratory and field observations of the phenomena of life.

The general biology course presents to first-year students a broad spectrum of biological concepts, ranging from life processes at the molecular level to the interrelationships of whole organisms and their environments. The Major is designed to provide a liberal background to enable one to understand the nature of the world and Man's role in it, as well as to stimulate interest among students.

Biology majors are required to take Comparative Anatomy and General Physiology. These courses are essential in providing a basic knowledge of animal structure to serve as a foundation upon which more specialized knowledge may be built. A year of advanced botany is required to acquaint the student with the fundamental characteristics of the complementary world of plants.

Biological functions are results of chemical interactions; thus knowledge of chemistry is important to a biologist. Biology majors are required to take two semesters of organic chemistry. Biology in recent years has become a science of exact measurements. Majors therefore must equip themselves with an understanding of mathematics. Students are encouraged to take one year of mathematics and physics.

The geographical location of Middlebury College with thousands of acres owned either by the College itself or within the National Forest nearby provides an excellent outdoor laboratory for the pursuance of ecology.

A separate, joint major with Chemistry has been developed to enable a student to become proficient in both fields without having to take all of the required courses prescribed for a pure major in either field.

Required for a Major: 11, 21.1, 22, 44 and two electives; Chemistry 11.1, 13.1, 23.2; Independent Study and General Examination.

Recommended: Mathematics 11 or 12; 1 year College Physics.

Required for a Joint Major in Biology and Chemistry: Biology 11, 21.1, 44.1 and one elective; Chemistry 11.1, 13.1, 15.1, 17.2, 23.2, 19.1 or 37.1, and one other semester course; Mathematics 12; Physics 21; Independent Study (Chemistry first semester, Biology second semester) and the General Examination. Joint majors in Biology and Chemistry must have a reading knowledge of French or German or Russian. This requirement may be met by the completion of the normal second-year college language course or by a reading test set by the language department.

11.1 General Biology Fall

A course designed to be the prerequisite for all other biology courses as well as to satisfy the science requirement for non-science majors. General prin-

ciples of biology, fine cell structures, the animal kingdom including tissues, organ systems, physiology and some biochemistry are covered. 3 hrs. lecture, 3 hrs. laboratory—4 credits. Lab. fee $10. STAFF

11.2 General Biology Spring
Essentially a continuation of 11.1 but covering the topics of botany, ecology, chemical basis of genetics, embryology and evolution. 3 hrs. lecture, 3 hrs. lab.—4 credits. Lab. fee $10. (Biology 11.1) STAFF

[20.1 Invertebrate Zoology]
The lecture material treats with the evolution of the invertebrate phyla as shown by their morphology and embryology. Physiology, ecology and behavior are considered when pertinent to phylogenetic status. Heavy emphasis is placed on theories concerning the origins of major divisions of the animal kingdom. In laboratory, representative specimens are examined and dissected when possible. A week-end field trip to the Maine coast is sponsored on a voluntary basis. (Biology 11) 3 hrs. lect., 3 hrs. lab.—4 credits. Lab. fee $10. Given alternate years; to be given in 1965–66.

21.1 Comparative Anatomy of Vertebrates Fall
The evolution of organs and organ systems in Phylum Chordata, with emphasis on the higher vertebrates. Brief treatment of comparative embryology. Laboratory study of fish, salamander and cat, designed to supplement lectures and develop skill in dissection and diagrammatic representation of anatomical structures; term paper or special laboratory exercise. (Biology 11.2) 3 hrs. lecture, 6 hrs. lab.—4 credits. Lab. fee $10. Mr. HITCHCOCK

22.1 Plant Anatomy & Taxonomy Fall
A detailed study of cell and tissue structure is presented with an emphasis on vascular plants. A number of weeks are spent in the field collecting and classifying woody plants and later learning the techniques of herbarium mounting. A year-length project is begun in this course, to be continued in 22.2. The project is on an individual basis and must be written up as if for publication in a biological journal. One of the two laboratories assigned to this course is involved solely in this independent work. (Biology 11) 3 hrs. lecture, 6 hrs. lab.—4 credits. Lab. fee $10. Mr. WOODIN

22.2 Plant Morphology and Physiology Spring
Includes a comparative survey of the structure and evolutionary relationships of the major plant phyla for half the semester. General plant physiology of the vascular groups including several weeks of radioisotope techniques. (See 22.1 for reference to year-length project and paper.) (Biology 22.1) 3 hrs. lecture, 6 hrs. lab.—4 credits. Lab. fee $10. Mr. WOODIN

23.2 Human Physiology Spring
A study of the principal physiological processes of man. Muscle contraction, nerve conduction, respiration, digestion, metabolism, circulation, excretion and reproduction. Emphasis on coordination of function and on the maintenance of a constant internal environment. Laboratory stresses quantitative methods. (Biology 11, Chemistry 11 or permission) 3 hrs. lecture, 3 hrs. lab.—4 credits. Lab. fee $10. Mr. REYNOLDS

24.2 Comparative Embryology Spring
The development of sex cells and embryos of chordates, with emphasis on frog and chick. Laboratory study of sectioned embryos; experimental induction of ovulation in frog; preparation of stained whole mounts of chick; presentation of individual report to class. (Biology 21.1) 3 hours lecture, 6 hrs. lab.,—4 credits. Lab. fee $10. Mr. HITCHCOCK

34.1 Histology and Histological Techniques Fall
The microscopic structure of animal cells, tissues and organs is correlated with their function. Strong emphasis is placed on identification of tissues. Students are taught standard techniques for preparing tissues for study and prepare many of their own slides. Students elect individual problems. The course will prove most useful to those contemplating careers in research biology. (Permission of instructor) (Biology 21.1, 24.2 recommended) 2 hrs. lect., 6 hrs. lab.—4 credits. Lab. fee $10. Given in alternate years; to be given in 1964–65. Mr. GAUNT

36.1 Principles of General Ecology Fall
Deals with relationships of plants and animals to their environment and to each other. The lecture portion is devoted to theory and the labs to practical field work. An independent field problem that constitutes one half of the laboratory time is required resulting in a paper written as if for publication. This course is basic for students planning to enter the practical fields of wildlife management, forestry or the various fields of conservation as well as the field of pure ecology. (2 yrs. of Biology or 1 year of Biology and 1 year of another science or permission) 3 hrs. lect., 6 hrs. lab.—4 credits. Lab. fee $10. Mr. WOODIN

37.2 Genetics Spring
Course material is divided into 12 formalized lectures: Historical Consideration, Mendelism, Mechanism and Proof, Morganian Genetics, Chromosomal Aberrations, Sex Determination, Extranuclear Inheritance, Population Genetics and Evolution, Mutation and Gene Action, Molecular Basis, and Developmental Genetics. In laboratory, problems in Drosophila and bacterial genetics are analyzed and formal reports including chi-square analysis are submitted. (Biology 11) 3 hrs. lect., 3 hrs. lab.—4 credits. Lab. fee $10. Mr. GAUNT

44.1 General and Cellular Physiology Fall
Fundamental study of cellular processes, including physiochemical characteristics, intermediary metabolism, irritability and contractility, specialization, growth and cell division. Emphasis on the animal cell and its component parts. Laboratory designed to acquaint student with diversity of quantitative techniques. (2 yrs. Biology, Chemistry 13.1, 23.2. Seniors or permission) 3 hrs. lect., 3 hrs. lab.—4 credits. Lab. fee $10. Mr. REYNOLDS

44.2 Comparative Physiology Spring
The principal physiological processes of animals, with emphasis on the diversity of mechanism between and within different groups of animals.

Consideration of function primarily at the level of organs and organ systems. Laboratory will include individual or group projects of an investigative nature. (Biology 44.1. Seniors or permission) 3 hrs. lect., 3 hrs. lab.—4 credits. Lab. fee $10 and breakage. Mr. REYNOLDS

50.1 and 50.2 Advanced Study Fall and Spring
For honors students, majors and graduate students in Biology. (Permission) Fee of $10 per semester if laboratory work is involved. STAFF

55.1 and 55.2 Research and Thesis Fall and Spring
Open to properly qualified students. Required for all candidates for the Master's degree. Lab. fee $10. STAFF

CHEMISTRY

Professor: G. H. HARNEST (*chairman*); Associate Professors: W. A. MOYER, E. K. ROBERTS, E. L. POOL; Assistant Professor: R. W. GLEASON

Majors offered in the Department of Chemistry are described below. Students who plan a professional career in this field should elect the Certified Major because it provides a thorough training in the fundamentals of Chemistry and its relation to other scientific fields, medicine, engineering and related subjects. The Chemistry Department is accredited by the Committee on the Professional Training of Chemists of the American Chemical Society, and majors who wish to be accredited by the Society should have their programs approved by the Chairman of the Department early in their college career.

Required for a Major: 11.1*, 13.1, 15.1, 17.2, 19.1, 23.2, 37.1 and three other semester courses in the Department; Mathematics 12; Independent Study and the General Examination.

Required for a Certified Major: Students who wish to be certified by the American Chemical Society may complete a Major in Chemistry with the following courses: 11.1*, 13.1, 15.1, 17.2, 19.1, 23.2, 35.2, 37.1 and three other semester courses in the Department; Independent Study and the General Examination; Mathematics 12 and 21; Physics 21; a reading knowledge of German is required. German 22 is recommended. The language requirement may be met by completion of the normal second-year college course or by a reading test. The Certified Major is designed to qualify a student for advanced work in graduate school or for positions in chemical industry.

Joint Major in Biology and Chemistry. Required for a Major: Biology 11, 21.1, 44.1 and one elective; Chemistry 11.1*, 13.1, 15.1, 17.2, 23.2, 19.1 or 37.1 and one other semester course; Mathematics 12; Physics 21; Independent Study (Chemistry first semester and Biology second semester) and the General Examination. Joint majors in Chemistry and Biology must have a reading knowledge of French, German, or Russian. This requirement may be met by the completion of the normal second-year college language course, or by a reading test set by the Language Department.

A deposit fee to cover cost of broken apparatus is charged in each laboratory course, to be paid to the Treasurer at the beginning of each term.

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*Chemistry 11.1 is the normal introductory course in Chemistry. However, students may qualify for permission to omit 11.1 and begin their studies in Chemistry with 13.1, 15.1, 19.1 or 17.2. Consult the Chairman of the Department.

11.1 Fundamentals of Chemistry Fall
Fundamental principles of Chemistry. Atomic theory and atomic structure, chemical bonds, stoichiometry, kinetic theory and the states of matter. Problem drill, conferences. Laboratory work deals with the testing of theories by various quantitative methods. Students with adequate secondary school preparation are encouraged to consult the Department for permission to elect Chemistry 13.1, 15.1, 17.2, or 19.1 in place of this course. Two sections. 3 hrs. lect., 4 hrs. lab.—4 credits. Laboratory fee, $10 and breakage.
Mr. MOYER, Mr. GLEASON

13.1, 23.2 Organic Chemistry I and II Fall and Spring
An introduction to the study of the compounds, both aliphatic and aromatic, of carbon. The approach is based on the properties of functional groups with considerable emphasis on electronic theory and reaction mechanisms. Laboratory exercises involving the synthesis of organic compounds, the analysis of various classes of compounds and the identification of unknowns complement the lecture material. (Chem. 11.1 or permission; Chemistry 13.1 must precede Chemistry 23.2) 3 hrs. lect., 6 hrs. lab.—4 credits. Laboratory fee $12 and breakage. Mr. HARNEST, Mr. Gleason

15.1 Physical Chemistry I Fall and Spring
This course is primarily concerned with the physical properties of matter. After considering the gaseous, liquid and crystalline states, the properties of solutions are discussed. This leads to a study of heterogeneous equilibria based on the phase rule. Some time is devoted to the special properties of electrolyte solutions. Finally the colloidal state is studied along with adsorption phenomena. (Chem. 11.1, Math. 12 or permission) 3 hrs. lect., 4 hrs. lab., 1 hr. conf.—4 credits. Laboratory fee $10 and breakage. Mr. ROBERTS

17.2 Analytical Chemistry I Spring
Extensive treatment of mass action theory (ionic equilibrium) concerned mainly with ionization of strong and weak electrolytes, buffers, hydrolysis, solubility of difficultly soluble substances, complex formation, oxidation-reduction systems, and quantitative measurements involving these phenomena. Laboratory work is mainly titrimetric analysis with some gravimetric methods. (Chem. 11.1 or permission) 3 hrs. lect., 6 hrs. lab.—4 credits. Laboratory fee $10 and breakage. Mr. POOL

19.1 Systematic Inorganic Chemistry Fall and Spring
A systematic study of the elements and their compounds based on the Periodic Table. The isolation of the elements from their natural sources, and the synthesis of some important types of inorganic compounds. The properties of selected elements and their compounds are discussed in class and/or studied in the laboratory using various analytical methods. (Chem. 11.1 or permission) 3 hrs. lect., 3 hrs. lab.—4 credits. Laboratory fee, $10 and breakage. Mr. MOYER

35.2 Physical Chemistry II Spring
This course includes a careful study of chemical thermodynamics and chemical kinetics. The laws of thermodynamics are developed and inter-

preted, then applied to problems in thermochemistry, chemical equilibrium, and electrochemistry. Extensive use is made of the chemical potential. The basic kinetic laws are derived and the collision and absolute rate theory are examined. (Chem. 15.1, 17.2, 19.1, 23.2; Physics 21.1, 21.2; Math. 21.1, 21.2) 3 hrs. lect., 4 hrs. lab.—4 credits. Laboratory fee $10 and breakage.
Mr. ROBERTS

37.1 Analytical Chemistry II—Qualitative and Quantitative Separations Fall
Principles and theory of separations, both quantitative and qualitative, involving chemical and physical methods: viz., separations by precipitation, distillation, extraction, chromatography, ion exchange, and others. Also topics such as sampling, dissolution, errors, and atomic weight determination. Laboratory work in qualitative and quantitative inorganic analysis and an individual project. (Chem. 17.2) 3 hrs. lect., 6 hrs. lab.—4 credits. Laboratory fee $10 and breakage. Mr. POOL

42.1 Biochemistry Spring
The study of the chemistry of carbohydrates. Digestion, absorption, and metabolism of the carbohydrates, and the enzyme systems, vitamins, and hormones involved in these processes (Chem. 15.1, 17.2, 23.2; Biology 11.2 is recommended) 3 hrs. lect.—3 credits. Offered in alternate years; not to be given in 1965–66. Mr. MOYER

[42.2 Biochemistry] Spring
The study of the chemistry of lipids and proteins. Digestion, absorption, and metabolism of lipids and proteins, and the enzyme systems, vitamins, and hormones involved in these processes. (Chem. 15.1, 17.2, 23.2; Biology 11.2 is recommended) 3 hrs. lect.—3 credits. Offered in alternate years; to be given in 1965–66. Mr. MOYER

43.1 Organic Chemistry III—Qualitative Organic Analysis Fall
Methods of identification of organic compounds utilizing characteristic reactions of various functional groups are considered in detail. Modern instrumental methods, especially infrared spectroscopy, are used extensively. The student is encouraged to develop semi-micro skills which will enable him to exercise critical judgment even when working with very small quantities of material. The course culminates in the separation and identification of the components of a mixture containing three to five compounds. (Chem. 17.2, 23.2) 1 hr. lect., 6 hrs. lab—3 credits. Laboratory fee, $12 and breakage.
Mr. HARNEST

44.1 Advanced Organic Chemistry Spring
An introduction to physical organic chemistry in which an extensive treatment of polar displacement and elimination reactions is included. Also considered are the relationship of structure to reactivity (the Hammett equation), general and specific acid and base catalysis, the mechanism of electrophilic and nuscleophilic aromatic substitution reactions. (Chem. 15.1, 23.2; Physics 21; Math. 12 or permission) 3 hrs. lect.—3 credits. Offered in alternate years; not to be given in 1965–66. Mr. GLEASON

[44.2 Advanced Organic Chemistry] Spring
A study of some of the more important special topics of organic chemistry including advanced synthesis in general with specific treatment of the following: reactions of active methylene compounds; structure determination of complex natural products; peptide synthesis and sequential analysis; introduction to the steriods; selected name reactions and rearrangements. (Chem. 23.2) 3 hrs. lect.—3 credits. Offered in alternate years; to be given in 1965–66. Mr. GLEASON

45.1 Physical Chemistry III Fall
An introduction to the Schroedinger wave equation is followed by a brief discussion of the chemical bond based on the valence-bone, molecular-orbital, and ligand-field theories. Examples are taken from inorganic and organic chemistry. The methods of statistical thermodynamics are outlined sufficiently so that the student can calculate equilibrium constants from molecular parameters and the appropriate partition functions. As time allows, the determination of molecular structure and configuration from spectroscopic evidence is discussed. (Chem. 35.2 or permission) 3 hrs. lect.—3 credits. Mr. ROBERTS

47.2 Analytical Chemistry III—Instrumental Analysis Spring
Principles and theory of separation and determination by instrumental methods. Topics include ultra-violet, visible, and infra-red spectro-photometry; refractometry; polarimetry; potentiometric titration methods; pH measurements; coulometry; polarography; conductance methods; and others. Laboratory work involves extensive investigation of selected methods of instrumental analysis. (Chem. 37.1) 2 hrs. lect., 3 hrs. lab.—3 credits. Laboratory fee $10 and breakage. Mr. POOL

49.1 Advanced Inorganic Chemistry Fall
Brief historical approach to theories of atomic and molecular structures and periodic functions of properties. Atomic structure; molecular structure by valence bond and molecular orbital treatment; transition metal complexes according to valance-bond, crystal-field, and ligand-field theories. Relations of atomic and molecular structure to chemical and physical properties. Other topics such as crystal chemistry, acid-base theories, solvent systems, and nuclear chemistry. (Chem. 15.1, 19.1, 23.2, Physics 21.2) 3 hrs. lect.—3 credits. Mr. POOL

55.1 and 55.2 Research Fall and Spring
Open to properly qualified students. Required of all candidates for the Master's degree. Permission. Laboratory fee $12 per semester and breakage.

a. Analytical Chemistry
b. Inorganic Chemistry
c. Physical Chemistry
d. Organic and Biochemistry STAFF

Independent Study Fall and Spring
Required of all seniors. Breakage. STAFF

GEOGRAPHY AND GEOLOGY

Professors: B. M. SCHMIDT, J. R. ILLICK (*chairman*); Associate Professors: V. H. MALMSTROM, B. BALDWIN; Assistant Professor: P. J. CONEY

Geography

Geography is concerned with the "where" and "why" of human activities. In its attempt to explain the differences which exist from place to place over the earth's surface, it collects, analyzes, and integrates data from both the physical and social sciences. It examines such physical elements as landforms, climate, soils, and vegetation and interprets them in terms of the distribution of people, their ways of making a living, and the social and political patterns they have developed. Because the interaction of man and his environment is constantly changing, geography seeks to understand how present world patterns have evolved from the past and how they might be modified further in the future.

Required for a Major: 10.1 and 10.2, 25.1 and 25.2, 38.1, 40.1 and 40.2, and one regional course; Independent Study, involving research projects, field trips, and seminars, and the General Examination.

Cognate courses for a Major in Geography range over a broad field and should be selected from other departments according to one's interest in Geography, and with the approval of the adviser. Courses in the social sciences are especially recommended.

Two years of a foreign language and a summer field camp are recommended for those applying to graduate school.

10.1 and 10.2 World Regional Geography Fall and Spring
A survey of the physical and cultural factors which influence the distribution of man and his activities on the surface of the earth. Regional differences will be analyzed in relation to various aspects of the natural environment and human affairs. (Geog. 10.2 must be passed before credit for 10.1 is given and cannot precede 10.1.) STAFF

25.1 Physical Geography Fall
A systematic examination of the elements of the physical environment. Landforms, climates, soils, vegetation, minerals and water resources will be studied by means of field trips, maps and photo-interpretation. 3 hrs. lect., 3 hrs. lab. 4 credits. Field Trip fee, $5. (Geog. 10) Mr. ILLICK

25.2 Economic Geography Spring
An analysis of the origins, nature, and distribution of man's economic activities over the world. The evolution of subsistence, commercial and planned economies will be studied in a regional context. Field trips. (Geog. 10) Field Trip fee, $3. Mr. MALMSTROM

30.1 Geography of Africa Fall
A study of the emerging nations of Africa and the special role they play in world economic and political affairs. The geographic bases of their nationhood, their problems and outlook for the future will be assessed. (Geog. 10) Alternates with Geog. 36.1; not to be given in 1965–66. Mr. ILLICK

[35.1 Geography of Latin America] Fall
A consideration of the individual countries of Middle and South America,

their resources, problems, and prospects. Special attention is given to their relations with the United States and to their significance in world affairs. (Geog. 10) Alternates with Geog 37.1; to be given in 1965–66.

35.2 Geography of Europe Spring
A study of the economic, social and political patterns of present-day Europe. Emphasis will be placed on the distinctive personalities of the individual countries and on their role in regional and global affairs. (Geog. 10)
Mr. MALMSTROM

[36.1 Geography of Asia]
A systematic examination of the regions and nations of Asia (excluding the Soviet Union), with special emphasis on their problems and potentialities as they relate to world economic and political patterns. (Geog. 10) Alternates with Geog. 30.1; to be given in 1965–66.

36.2 Geography of Anglo-America Spring
A regional analysis of the United States and Canada, giving special attention to the physical, historical, and economic factors which contribute to areal differentiation. (Geog. 10) Mr. ILLICK

37.1 Geography of the Soviet Union Fall
An intensive systematic and regional analysis of the world's largest country. The problems and potentialities of the Soviet Union will be critically evaluated in terms of the challenge it poses for world leadership. (Geog. 10) Alternates with Geog. 35.1; not to be given in 1965–66. Mr. MALMSTROM

38.1 Research in Geography Fall
A course designed to provide the major in geography with systematic training in the collection, analysis, and presentation of geographic data. Observation and measurement in the field will be complemented by statistical, cartographic, and air photo interpretation in the laboratory. Field Trip fee $5. (Geog. 10) STAFF

40.1 Political Geography Fall
The study of the state as a geographic phenomenon, with emphasis on the spatial, cultural, and economic factors that influence its emergence, growth, and relationships with other states. The present world situation will be analyzed in terms of geopolitical principles. (Geog. 10) Mr. MALMSTROM

40.2 Cartography Spring
An introduction to the compilation, design, and construction of maps. Training is given in the techniques of preparing maps from field surveys, aerial photographs, library, and statistical sources, and in the evaluation and construction of map projections. Special attention will be given to representing the third dimension through block diagrams and models. Two hours of lecture and one laboratory a week. (Limited to 20 students) (Geog. 10) Mr. ILLICK

50.1 Advanced Study Fall and Spring
A course arranged to fulfill the research needs of students majoring in Geography. STAFF

Geology

The Middlebury locale affords an excellent introduction to the discipline of geology, for Vermont geology not only includes most types of geologic conditions but also is a classic area for the study of the geology of mountain systems. The geology program takes advantage of this setting by stressing field work.

Physical Geology and Historical Geology (Geology 11, which fulfills the Group C requirement) are the foundations of the program, because they introduce the main concepts, techniques, and materials of geology. Emphasis is on simple terminology, clear distinction between description and interpretation, and search for fundamentals. These courses represent the main treatment of geologic processes and of stratigraphic principles. The five advanced courses branch in several directions, oriented about more detailed study of minerals, rocks, fossils, and structure. Optical mineralogy, stratigraphy and sedimentation, and economic geology are included under other course titles. Regional geology is treated briefly in Historical Geology and in the seminar treatment of Independent Study.

Students work closely with the staff in several continuing projects: the gathering of data for study of stratigraphy in Historical Geology; the study of local strata and their fossils in Invertebrate Paleontology; the mapping of bedrock and glacial geology of the Middlebury area in Geology 50.1; and the study of literature of Vermont geology in the Independent Study seminar.

Required for a Major: 11.1, 11.2, 22.1, 22.2, 24.2, 30.1, 32.2; Independent Study and the General Examination. Mathematics 12, Chemistry 11.1, and a semester course in Geography.

Recommended: 50.1. Students planning on graduate school take additional courses in Mathematics, Chemistry, Physics, and Biology, and should attend a Summer Field Camp in geology; reading knowledge of German, and French or Russian also recommended.

11.1 Physical Geology Fall

Geologic processes at the earth's surface cause landforms and sedimentary rocks; processes at depth, including deformation, metamorphism, and igneous activity, give rise to other types of rocks and features. Laboratory: field trips; identification of minerals and rocks; interpretation of topographic maps. 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. STAFF

11.2 Historical Geology Spring

The geologic history of North America is pieced together by examples that illustrate stratigraphic principles of such topics as geologic time, correlation, ancient geography, and behavior of the earth's crust. A minor theme is the evolution of life as found in the fossil record. Laboratory: reading geologic maps; recognition of main types of fossils; geologic mapping. (Geology 11.1) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. STAFF

[22.1 Non-Silicate Minerals]

In addition to crystallography and physical properties of minerals, this course includes material on economic geology and the formation of mineral deposits. Laboratory: identification of non-silicate minerals in hand specimen, by "blowpipe" methods, and by stain tests. (Geology 11.1 or Chemistry 11.1; may be taken concurrently) 3 hrs. lecture, 3 hrs. lab. 4 credits. Laboratory fee $6. Offered in alternate years; to be offered in 1965–66.

[22.2 Silicate Minerals]

Optical mineralogy—the theory of light in anisotropic minerals—is treated

in 25 lectures in terms of the indicatrix. Crystal chemistry and phase diagrams of the minerals of Bowen's reaction series are introduced in 20 lectures. Laboratory: hand specimen identification of silicate minerals; identification of mineral powders by optical methods; introduction to thin sections. (Geology 22.1, or Geology 11.1 and permission.) Same hours, credits, and fees as for 22.1. Offered in alternate years; to be offered 1965–66.

24.2 Invertebrate Paleontology Spring

The terminology, classification, evolution, and environmental significance of invertebrate fossils; readings in paleoecology, correlation, geologic time, and stratigraphic nomenclature. Laboratory: description and identification of fossils; field trips to study local strata and fossils. (Permission) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. Offered in alternate years; not to be offered in 1965–66. Mr. SCHMIDT

30.1 Petrology Fall

The origin, composition, texture, and classification of sedimentary, metamorphic, and igneous rocks. Half the course is spent on sedimentary rocks. Laboratory: description of rocks in hand specimen and in thin section; field trips. (Geology 22.2) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. Offered in alternate years; not to be offered in 1965–66. Mr. BALDWIN

32.2 Structural Geology Spring

The terminology, field characteristics and origin of primary and secondary structural features of sedimentary, metamorphic, and igneous rocks; Mohr's circle is introduced briefly. Laboratory: solution of 3-dimensional problems by stereonet and graphic methods; interpretation of geologic maps; field problems. (Geology 11.1 and permission.) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. Mr. CONEY

50.1 and 50.2 Advanced Study Fall and Spring

Field mapping of bedrock or glacial geology for senior majors in Geology; special projects for non-majors. Report due at beginning of Christmas vacation. (Permission.) STAFF

MATHEMATICS

Professors: D. H. BALLOU (*chairman*), J. G. BOWKER; Assistant Professor: B. B. PETERSON; Lecturers: R. R. BIELLI, F. G. LANE

The Major includes work in analysis through the calculus, advanced calculus, and differential equations. Modern algebra is introduced in a course in Linear Algebra. Further topics in algebra are included in the unit of Independent Study in the senior year, as are also selected topics from number theory and modern geometry. Other courses provide an introduction to the fields of probability and statistics, to the mathematics of finance, and to the use of digital computers. Opportunity for further work in algebra, number theory, topology, or real or complex analysis is afforded through individual study in 50-courses. Advanced placement is offered freshmen whose secondary training indicates they can successfully take the sophomore course.

Required for the Major: 12.1, 12.2, 21.1, 21.2, 34.1, 34.2, 43.1, 43.2, one other course in the Department or Physics 47.1, 47.2; Physics 21.1, 21.2; Independent Study, and the General Examination.

11.1 and 11.2 Principles of Mathematics Fall and Spring
Selected topics of elementary mathematical analysis; designed for students with only three years of secondary school preparation. Elements of set theory, the structure of the number system, relations and functions; properties of the elementary algebraic, exponential, logarithmic, and trigonometric functions; a brief introduction to analytic geometry, the differential and integral calculus, and probability. (Must be followed by Mathematics 12 before Mathematics 21 may be taken.) STAFF

12.1 and 12.2 Analytic Geometry and Calculus Fall and Spring
Topics from analytic geometry and an introduction to the calculus; designed for students with four years of secondary school mathematics. Analytic geometry of the line and conic sections, the differential calculus of algebraic functions and applications, the indefinite and definite integral and geometric applications, the calculus of the elementary transcendental functions, determinants, polar coordinates. STAFF

21.1 and 21.2 Intermediate Calculus Fall and Spring
Further topics in the calculus and the calculus of functions of more than one variable. Techniques of integration, applications of integration to physical problems, hyperbolic functions, curvature and curvilinear motion, introductory vector analysis, analytic geometry of three dimensions, partial differentiation, multiple integration and applications, Maclaurin and Taylor series. (Math. 12.2) Mr. BALLOU

22.2 Mathematics of Finance Spring
Annuities certain applied to the theory of investment, the amortization of debts, depreciation, and bond finance. Life annuities applied to the mathematics of life insurance. Offered in alternate years, not to be given in 1965–66. Calculating machine fee, $6. Mr. BOWKER

34.1 Differential Equations Fall
A treatment of ordinary differential equations including types frequently encountered in scientific applications. First and second order equations, linear equations with constant coefficients, Laplace transforms, existence theorems, approximation methods, systems of equations. (Math. 21.2) Mr. PETERSON

34.2 Linear Algebra Spring
Topics from modern linear algebra including the algebra of matrices, determinants, rank and equivalence of matrices, linear dependence, systems of linear equations, vector spaces and linear transformations. (Math. 21.2) Mr. PETERSON

35.1 Probability Spring
An introduction to the concepts of probability. Axiomatic approach to probability theory, events, conditional probability, independence of events; random variables, discrete and continuous probability distributions; expectation, dispersion, moments, correlation, Chebyshev's inequality and the

law of large numbers; the central limit theorem and the normal and Poisson approximations to the binomial distribution. (Math. 12.2 or permission)
Mr. PETERSON

[35.2 **Statistics**]
An introduction to the mathematical concepts and methods used in the statistical analysis of data. (Math. 35.1) Offered in alternate years, to be given in 1965–66.

38.1 Introduction to Digital Computers Fall
An introduction to digital computers and computer languages. The organization of electronic digital computers; programming in FORTRAN for the IBM 1620 and 7094 and an introduction to programming in the symbolic language FAP; applications in numerical analysis. Fee $20. (Math. 21.2 and permission. Limited to 20 students)
Mr. BALLOU

43.1 and 43.2 Advanced Calculus Fall and Spring
Further topics in the calculus and real analysis. Fundamental concepts of real function theory, divergence and curl, line integals, Green's theorem, the Stieltjes integral, infinite series, power series, Fourier series, improper integrals. (Math. 34.2 or permission)
Mr. BIELLI

50.1 and 50.2 Advanced Study Fall and Spring
Individual study for qualified students in more advanced topics in algebra, number theory, real or complex analysis, topology. Particularly adapted for those who enter with advanced standing. (Permission)
STAFF

Independent Study
The required program of Independent Study includes the development of the number system, both historically and logically; selected topics from modern algebra and number theory; the foundations of geometry; selected topics from projective geometry; readings in the history of mathematics.

PHYSICAL EDUCATION (MEN)

Professors: J. J. KELLY, (*chairman*), W. J. NELSON; Assistant Professors: R. R. SHEEHAN, E. W. MACKEY, J. J. MORRONE, Jr., W. FORBES; Instructor: J. G. ALAIMO

Each man is given a yearly medical examination, and periodic check-ups are made when necessary. All physically fit freshmen and sophomores are required to participate in organized activities at least two periods a week. Four terms of physical education are required for graduation. No academic credit is given for 11.1, 11.2, 21.1, 21.2.

11.1 and 11.2 Physical Training (Instruction) Fall and Spring
Instruction in rules and techniques in team and individual sports. Lacrosse, touch-football, volleyball, basketball, trampoline, swimming, badminton, soccer, tennis, golf, softball, skiing and skating. Physical tests. Squad mem-

bers of freshman sports reporting regularly are excused from class for season. Required of freshmen. STAFF

21.1 and 21.2 Physical Training (Activity) Fall and Spring
Individual exercise. Individual sports. Weight lifting, tennis, golf, swimming, skiing, skating, badminton, bowling. Emphasis placed on carry-over sports and games. Team games in intramural athletics. Required of sophomores. STAFF

33.1 Safety in Physical Education Fall
Safety factors; schools, communities, industry, highways, physical education, recreation and sports. Liabilities, defenses, insurances. Not to be offered in 1965–66. (Permission) Mr. KELLY

33.2 Minor Sports Spring
Fundamentals, rules and techniques of running a complete high school sports program. Schedules, officials, tournaments. Not to be offered in 1965–66. (Permission) Mr. KELLY

[34.1 Methods and Principles]
Comparison of U. S. physical education with training in other countries. Calisthenics and combative exercises. To be offered in 1965–66. (Permission)

[34.2 Organization of Play]
The world history of physical education with emphasis on the influence of climate, religion and the military. Physical Education in the U.S. Mass athletics; youth fitness. Games of low organization. To be offered in 1965–66. (Permission)

PHYSICAL EDUCATION (WOMEN)

Associate Professor: M. E. LICK (*chairman*); Assistant Professor: J. L. TOWNE; Instructor: Miss G. YOUNG

The Department of Physical Education for Women provides a two-year instructional program in physical education which is required of all freshmen and sophomore women. Physical Education 15.1, 15.2, 25.1, and 25.2 are required for graduation but carry no academic credit. A yearly medical examination is required of each woman participating in departmental programs. All women are required to buy the standard gym outfit, costing approximately $10.00.

The physical education program is planned to promote women's competence, interest, and participation in physical activities both during and after the college years. Women select their courses from among the many course offerings in each of the four seasons of Fall, Winter I, Winter II, and Spring. Most of the courses are offered in beginning, intermediate, and advanced classification sections to recognize and promote student achievement levels. Instruction is given in the following activities in appropriate seasons: archery, badminton, basketball, body mechanics, bowling, conditioning exercises, field hockey, golf, horseback riding, ice skating, lacrosse, modern dance, skiing, softball, swimming, synchronized swimming, tennis, and volleyball.

15.1 and 15.2 Physical Education Fall and Spring
Elective program in seasonal sports, swimming, conditioning, body mechanics, and dance. Required of freshmen. STAFF

25.1 and 25.2 Physical Education Fall and Spring
Elective program in seasonal sports, swimming, conditioning, body mechanics, and dance. Required of sophomores. STAFF

PHYSICS

Professor: B. F. WISSLER (*chairman*); Associate Professor: C-Y. CHIH; Assistant: P. AUSTIN

The course offerings in the Department of Physics are designed to fill the needs of a liberal arts curriculum. There are some offerings for students who have no intention to specialize in science. There are also offerings which will enable the science oriented student to obtain a Physics background and preparation for continued study in any other science area. A student who completes the Major in Physics is adequately prepared to continue graduate study in the field of Physics. Specifically Physics 11 is an offering intended as a terminal course for students with minimal preparation and who desire a broad insight into the field of Physics and a knowledge of how a scientist works. Physics 21 and 42 may also be taken by non-science students who have somewhat better preparation and a deeper scientific interest.

Required for the Major: 21.1, 21.2; 31.1; 32.2; 34.1; 42.2; 47.1, 47.2; Independent Study, two semesters of Chemistry, and Mathematics through 34.1.

11.1 and 11.2 Introductory General Physics Fall and Spring
This is a course covering the basic concepts and fundamental principles of physics. It will aim to cover the usual areas of mechanics, heat, sound, light, and electricity, with some modern physics. Some topics usually treated may be omitted. The students selecting this course will be expected to have a command of algebra and geometry. This course should not be elected by students intending to major in Physics or some other field of science. Three hours of lecture and one three hour laboratory—4 credits, Lab. fee $5.00 per semester. Mr. CHIH, Mr. AUSTIN

21.1 and 21.2 General Physics Fall and Spring
A course, including laboratory, which comprises a study of mechanics, heat, waves and oscillatory motion including optics and acoustics, electricity and magnetism and modern physics. A sound background in algebra and geometry is supposed and Mathematics 21 is suggested as a concurrent course. 3 hours lecture, 3 hours laboratory—4 credits, Lab. fee, $5.
Mr. WISSLER, Mr. AUSTIN

31.1 Physical Optics Fall
An intermediate course using the principle of superposition to study interference, diffraction, and polarization in waves. Phase and group velocity, absorption and dispersion are treated. (Physics 21.2, Mathematics 21.2 and permission) 3 hours lecture, 3 hours laboratory—4 credits, Lab. fee $5.
Mr. WISSLER

32.2 Electricity and Magnetism Spring

Approximately seventy per cent of the course is spent on field theory and thirty per cent on circuit analysis. Vector presentation is employed almost exclusively in the field theory. In circuit analysis Laplace transforms are used. (Physics 21.2, Mathematics 21.2 and permission.) 3 hours lecture, 3 hours laboratory—4 credits, Lab. fee $5. Mr. CHIH

34.1 Modern Physics Fall

Selected topics from atomic physics, quantum mechanics, nuclear physics, and molecular and solid state physics are treated. A brief review of the special theory of relativity is given at the beginning to obtain relativistic relations used in the course. A number of selected experiments will be performed by students in the laboratory. (Physics 21.2, Math. 21.2 and permission) 3 hrs. lecture, 3 hrs. lab.—4 credits, Lab. fee $5. Mr. CHIH

42.2 Astronomy Spring

An introduction to astronomy for students with a background of college mathematics and physics. The solar system, motions of the heavenly bodies, coordinate systems and the information gathered from the analysis of light are studied. The college observatory is used for observational work. (Physics 11.2 or 21.2) 3 hours lecture, 3 hour laboratory—3 credits. Lab. fee $5. Mr. WISSLER

47.1 and 47.2 Analytical Mechanics Statics-Dynamics Fall and Spring

In the first semester the statics of particles and both rigid and deformable bodies are studied. The elements of vector analysis are introduced. During the second semester kinematics and dynamics in inertial and accelerated systems of coordinates are treated. The dynamics of particles and rigid bodies and space mechanics are considered. A brief introduction to the generalized coordinates of Lagrange and Hamilton is undertaken. Credit will be given for the first semester without the second. The first semester is prerequisite to the second. (Physics 21.2, Math. 21.2, Math. 34.1 concurrently, and permission.) Mr. CHIH

Department of Military Science

Professor: Major G. H. Patrick, III (*chairman*); Assistant Professors: Major R. A. Burr, Capt. R. I. Edwards, Capt. R. E. Powell, Capt. C. P. Spalding; Assistants: Master Sergeant K. E. McCreary, Sergeant First Class M. A. Rand, Sergeant First Class F. Baldwin, Jr., Staff Sergeant W. A. McGuire, Specialist-5 C. E. McClain

The objective of a senior ROTC unit, organized under the provisions of the National Defense Act of 1916 and amendments thereto, is to qualify students for a commission in the Regular Army and the Army Reserve in assigned branches of the Army. A two-year basic and a two-year advanced course are offered.

The Basic Course

A two-year course is required of all qualified male students except the following:

a. Veterans

(1) A student who has served on active duty in the Armed Forces for six months will be excused from the Freshman Basic Course.

(2) A student who has served on active duty in the Armed Forces for one year will be excused from the Basic Course.

b. Former ROTC students

(1) A student who has successfully completed three or more years of the Junior ROTC program at an accredited ROTC institution will be admitted to the Sophomore Basic Course upon presentation of a military training certificate.

(2) A student who has successfully completed the first year of the ROTC Basic Course at another accredited ROTC institution will be admitted to Sophomore Basic Course.

c. Transfers from other institutions into the junior year.

d. Non-citizens.

e. Students exempt through the discretion of the President of the College and the Professor of Military Science for appropriate reasons.

The class meets three periods each week, with the minimum total of 90 hours in each academic year. Uniforms, arms, and equipment are furnished by the Department of the Army at no cost to the student.

11.1 and 11.2 Freshman Basic (Military Science 1) Fall and Spring
Organization of the Army and ROTC; Role of the Army and National Security; Historical survey of the evolution of principles and fundamentals of modern warfare; Military doctrine and application; School of the soldier and exercise of command. Two hours of class and one hour of Leadership Laboratory. One credit per semester.

21.1 and 21.2 Sophomore Basic (Military Science II) Fall and Spring
An appraisal of military techniques by examining selected American military operations; An introduction to the principles of map and aerial photograph reading and the fundamentals of small unit tactics; School of the soldier and exercise of command. Two hours of class and one hour of Leadership Laboratory. One credit per semester. (MS 11.1 and 11.2 or equivalent service credit)

The Advanced Course

This is an elective two-year course and carries three hours each semester or twelve hours for the four semesters. All four semesters must be successfully completed before credits are awarded except for special cases which will be ruled on by proper college officials. Members of the advanced course are selected by the President of the College and the PMS from the students in the sophomore class who apply. Draft deferment will be authorized for those who qualify.

Students enrolled in this course will receive a daily subsistence allowance not to exceed the value of the garrison ration for the period that classes are scheduled. This subsistence allowance is paid monthly and is established each fiscal year. During recent years it has averaged $27.00 per month. The class meets five periods per week with a minimum of one hundred fifty hours per academic year. Each unexcused absence causes a forfeiture of two days pay or approximately $1.80.

Advanced Course students wear a regulation Army Officer uniform which is retained by the student upon his graduation. The Government pays $100.00 toward the cost of the uniform and the remaining amount of approximately $35.00 is paid by the student.

Attendance at one summer camp of six weeks duration is mandatory. During such attendance the student is paid at the pay scale of a private in the Army. Mileage rate is paid from home to camp and return. Students will attend camp between the junior and senior academic years, but deferment from the junior to the senior year may be made, for cogent reason, when approved by the Professor of Military Science.

On successful completion of the course, the student is commissioned as a Second Lieutenant, U. S. Army Reserve. Outstanding military students are eligible for direct commission in the Regular Army upon graduation. The ROTC student is given a general military science course which does not emphasize any one branch or service. Prior to commissioning, assignment to a branch will be made based upon the needs of the Service and the individual's desires and capabilities. Training is directed primarily toward a commission in one of the combat arms—Infantry, Artillery, Armor, Signal Corps, or Engineer Corps. Students whose academic program has particularly qualified them may be offered a commission in one of the technical services—Chemical Corps, Ordnance, Finance, and others.

Students who enroll in the Advanced Course are required to complete both years, and when tendered a commission, are required to accept it, as a prerequisite for graduation from the College.

31.1 and 31.2 First Year Advanced Course (Military Science III)
Fall and Spring

Leadership; Military Teaching Methods; Organization, function, and mission of the Arms and Services; Intermediate Tactics and Communications; School of the soldier and exercise of command. Four hours of class, one hour of Leadership Laboratory. Three credits per semester. (MS 21.1 and 21.2 or equivalent service credit)

41.1 and 41.2 Second Year Advanced Course (Military Science IV)
Fall and Spring

Logistics; Operations; Advanced Tactics; Military Administration; Military Law; Personnel Management; Service Orientation; School of the soldier and exercise of command. Four hours of class, one hour of Leadership Laboratory. Three credits per semester. (MS 31.1 and 31.2)

College Regulations

The college furnishes each student with a pamphlet of regulations containing detailed information as to enrollment, attendance, scholarship, examinations, athletics, and student activities. All students are responsible for a thorough knowledge of and compliance with these regulations.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, without assigning any further reason therefore. In such cases, the fees which are due or which may have been paid in advance will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

Course Changes. No change in studies is allowed during the first week of the classroom work except by the permission of the student's adviser. During the second week of classroom work a change may be made only with the permission of the adviser, Chief Adviser and the instructor involved and the payment of a fee of $5. After the second week of classroom work no change may be made except within a department and upon the initiative of the instructor. No refund of fees for extra courses or for the use of laboratories is allowed after the second full week of the term.

Grades. Reports of standing are made to the Registrar by the instructors at the end of each semester. Upperclassmen obtain final grades directly from the Registrar's Office; freshmen obtain them from their advisers. Faculty members do not give out final course grades.

Students are responsible for keeping parents correctly and currently informed of their standing and progress in college. Final grades, mid-semester grades of freshmen, second course warnings, and notices of academic probation are sent to parents; other reports of class standing are sent to parents by request of a faculty member to the Dean.

The Dean of Men, or the Dean of Women, with the Chief Adviser will consider any special curricular problems of veterans and grant waivers to the usual requirements when circumstances involve such factors as health, extended interruption of education, and family responsibilities.

"Successful completion of a year" for draft board certification is defined as "approved for continuance in college."

Transfer of Credit. In order to transfer credit for work done at another recognized educational institution, a student must submit an official transcript. A grade of 70 or above, on a scale comparable to that in use at Middlebury, must have been attained in each course submitted for credit. Each case will be considered individually on its own merits, and must receive the approval of the chairman of the student's major department, the Chief Adviser, and the Dean. Whenever possible, the student should secure advance permission to attempt such work at another institution.

Transfer of credit forms are available at the Deans' offices. All students transferring from other institutions are informed officially of their class standing and the amount of credit allotted not later than the end of their second month at Middlebury.

Failure, Probation, Warning and Readmission. The final evaluation of a freshman's work is normally postponed until the end of the college year; however, the academic standing of all freshmen is reviewed at the end of the first semester, and freshmen who have not demonstrated the ability and incentive to carry on college work may be asked to withdraw. Any freshman who receives three failing grades at the end of the first semester is dropped from college.

At the end of any semester (after the first semester of the freshman year), a student receiving failing grades in two courses is dropped from college. At the end of any semester (after the first semester of the freshman year), a student receiving three grades below 70 is placed on academic probation for the following semester, at the end of which all grades but one must be 70 or over and that one not below 60 if the student is to remain in college. No transfer of credits will affect a student's probationary status.

At any time when a student is failing a course, consistently receiving grades below 70, or in any way neglecting the obligations of a course, he is placed on warning for a minimum of four weeks and may take no more unexcused absences in the course for that period. The penalty for taking such an unexcused absence is loss of one-half credit. At the end of the four-week period he may be taken off warning by the Dean if the instructor certifies that his work has improved sufficiently to warrant this action.

A student who is on warning at the same time in two courses may no longer represent Middlebury in extracurricular activities away from the College for the duration of the period of warning and is required to curtail extracurricular activities. Exception is made for participation in games played off campus when they occur during college holidays and the trip involves no missing of classes. A student who is on warning at the same time in three courses is dropped from college if it is the consensus of his instructors and the Dean that his failure is due to lack of application or to negligent attitude.

A student dropped for academic failure will not be readmitted except by special action of the Administration Committee. Readmission is a special privilege, not a right. The Committee will take favorable action only when it is satisfied that the factors which led to failure have been rectified and that the student has both ample motivation and capacity to earn his degree. Application for readmission is made to the Administration Committee through the Deans of Students. Any student readmitted will be on probation for the first semester following his return and, if dropped a second time, will not be readmitted. A student dropped at mid-years may not be considered for readmission until the following September; a student dropped in June may not be considered for readmission until one academic year has elapsed. Mere lapse of time is not sufficient basis for readmission. The burden of

proof of motivation and capacity rests with the student. The student is encouraged to enroll at another accredited institution and to achieve a good record there. In some cases, military service or employment related to his interests may be considered as evidence.

Extracurricular Activities. Middlebury College recognizes the value of extracurricular activities, and students are encouraged to participate in cultural, social, and athletic functions outside of scheduled class work, but participation in such events should not be at the expense of curricular obligations.

Attendance. In order to achieve the levels of scholarship which are the objective of the students and of the College, students are advised to attend all scheduled meetings of their classes. Since the seriousness of absence varies among the courses, instructors announce their attendance policies. Students on the Dean's List, however, are offered the prerogative of voluntary attendance, though they must be present for all pre-announced examinations and may, at the discretion of the instructor, be required to submit promptly all written requirements of the course. Whenever, in the opinion of the instructor, a student's work in a course is being impaired by non-attendance, the Dean is informed and the student must comply with the instructor's requirements for completing the work missed. For students not on the Dean's List, instructors specify the conditions under which work may be made up after a necessary absence. When an absence has not been justified, however, the instructor has no responsibility for aiding the student in making up the work.

When a necessary absence is taken in any course, the student is advised to prepare an "Explanation of Absence" form in the Dean's Office (in the Nurse's Office if illness is the cause) and to submit the form to the instructor. Absences are not excused by the Dean or Nurse prior to a student's being placed on warning, except for a necessary absence from a pre-announced examination, or for an absence due to an emergency, or on the two days preceding or following a college recess. The explanations are for information only. The Dean's Office periodically submits to the faculty the names of students who are to be absent while participating in approved extracurricular activities.

On the last two days of classes preceding a college recess, or on the first two days of classes following a college recess, absences may be excused only for emergencies. Excuses are not granted for travel time, vacation employment, transportation arrangements or appointments away from the College except in the case of scholarship holders and students on the Dean's List. One-half credit is deducted for each unexcused absence on these days.

When students are excused from attendance at classes during the two days prior to or after a vacation because of participation in a college sponsored activity, they must attend classes on the next two days prior to or after the excused absence.

At other times, reasons for absence which are usually accepted by the instructor and the Dean are necessary employment, illness (verified by the

Nurse or Physician), participation in recognized extracurricular events, and emergencies.

Tardiness from a class or exercise is recorded as an absence.

A student who is absent from a pre-announced examination without excuse receives a failure for the examination and is not granted the privilege of making it up.

Auditing. With the advance permission of the instructor and the Dean a regularly enrolled student may attend other classes as an auditor. The instructor establishes the conditions under which the student may audit, but in no case can the student receive credit for auditing. Occasional visiting is also allowed with the previous permission of the instructor.

Motor Vehicles. Qualified students are permitted to have or to operate a motor vehicle after the beginning of their junior year.

General Information

EXPENSES

No precise statement can be made regarding the cost of a semester at Middlebury. The location of the College in a frugal Vermont countryside and the absence of metropolitan attractions permit a student to live economically. The College offers a limited number of scholarships to deserving students. The Deans endeavor to assist undergraduates in finding remunerative work both on the campus and in town.

A fairly accurate estimate of a semester's expenses may be made by selecting the applicable items from the following list of standard charges per semester:

Tuition	$750.00
Special course fees (see course descriptions)	$1.00 to 20.00
Student Activities Fee—Men and Women	24.00
(Includes $15 Student Center fee)	
Accident Insurance Fee, Men and Women, Annual Fee	8.00
Additional fixed charges for men:	
Room rent, including heat and electricity (limited)	165.00
Board	245.00
Additional fixed charges for women	
Room and Board	410.00

Payment of tuition entitles a student to not more than sixteen credits each semester; an additional $50.00 charge is made per semester for each credit in excess of sixteen. No extra charge will be made, however, for the one credit per semester of the required basic R.O.T.C. course, for the one extra credit allowed for the Class of 1965 for the Senior Honors Course, nor for the extra credits in laboratory work in Music 12.1 and 12.2.

For graduate students, tuition is charged at the rates given above for a full semester program of fifteen credits, otherwise at the single credit rate.

Each student enrolled will pay $8 for a one-year accident insurance policy. Sickness medical expense insurance will continue to be offered on an optional basis at an annual premium of $22. Descriptions of both policies will be forwarded with the semester bills in the summer.

A graduation fee of $11 is paid by all seniors.

A fee of $1 is charged when, on authorization of the Administration Committee, a lost student identification card is replaced.

A rebate of $5 per week may be allowed for absence from dining halls for two consecutive weeks or longer.

No refund of tuition, fees, or room rent is made in the case of dismissal. Refunds may be made for entry into the Armed Forces through Selective Service, but in other cases of absence or withdrawal, refunds may be considered only under exceptional circumstances.

A fee of $25 is charged students who repeat the General Examination and who are not regularly enrolled in college.

Students will make a pre-registration deposit of $50 in the spring to be applied to the charges of the succeeding semester and to be forfeited if the student fails by August 1 of any year to notify the Dean of his intention not to return for the succeeding semester.

Students may not take examinations, receive credits, nor expect honorable dismissal until all financial accounts are settled.

The right is reserved to change quoted charges if necessary. The College assumes no responsibility for loss of student property through fire, theft, or disappearance.

Travel, textbooks, clothing, fraternity or sorority dues, and social assessments must also be considered in estimating a year's expenses.

All students will be required to pay tuition, student activities fee, board and room bills for the semester at least three days before classes begin. An itemized statement showing course fees and any additional charges will be mailed on or before December 1 for the first semester and April 1 for the second semester. These bills must be settled in full by December 15 and April 15, respectively. Failure to make payment when due automatically cancels the privilege of attending classes and incurs liability for a late payment fine of $5.00.

The Registrar issues a transcript of record on request to students wishing to transfer or to secure a statement of their credits for any other purpose. One copy of the college record is furnished free. A fee of one dollar is charged for a duplicate of the transcript. To students who are financially indebted to the College, or to those who have not surrendered Identification Cards on leaving college, no transcript will be issued until satisfactory arrangements have been made at the Treasurer's office. No fee is charged for transcripts submitted to any branch of the armed service.

SCHOLARSHIPS AND STUDENT AID

Middlebury College scholarships are awarded only to students who give evidence of high academic achievement, well-balanced interests, good moral character, and leadership ability. Applicants must also show that they would be unable to attend college without scholarship support. A college scholarship is normally awarded for the academic year. In order to receive or retain a scholarship a student must have for the previous semester a minimum semester average of 75 or a minimum grade of 70 in all courses. A scholarship may also be forfeited for misconduct.

Middlebury College is participating in the College Scholarship Service. Parents of all freshman scholarship applicants are expected to fill out the Parent's Confidential Statement and send it to the College Scholarship Service. Upon the written request of the parents and payment of the appropriate fee for each copy, the Service will forward a photographic copy of the original Statement to each college at which the student applied for financial aid. The confidential nature of the Statement will be respected.

Blanks for filling the Statement should be obtained from the high school principal or guidance counselor after October 1, and must be returned to the College Scholarship Service by January 8 prior to the academic year for which the scholarship is requested. Early Decision candidates may obtain the Statement blanks from the Admissions Office after August 1, and they must be returned to the College Scholarship Service by October 1.

Middlebury College expects that in the sophomore, junior, and senior years, scholarship holders will take some part of the financial assistance available to them in the form of a loan.

Correspondence concerning scholarships for freshmen should be addressed to the Director of Admissions. Upperclass students should apply to the Office of Student Financial Aid, Old Chapel.

RESIDENCE HALLS

Middlebury is a residential college. All single men live in the dormitories or fraternity houses; all women live in the dormitories.

Reservations are made by upperclassmen during the spring for the following year. Students reserving rooms are responsible for the year's rental charge, unless a period of one semester is approved at the time the room contract is signed. All rooms are assigned subject to dormitory regulations and the terms of the room contract. Occupants are liable for any damage to the dormitory and its furnishings. A student may be required to withdraw from a dormitory at any time for failure to respect college dormitory regulations or quiet hours, and forfeit the room charge for the remainder of the semester. The College does not accept responsibility for loss of money or other personal property or damage thereto while located in the dormitory. The Director of Dormitory Operations or a duly assigned representative of the College has the right to inspect rooms at any time.

Rooms are ready for occupancy in September on the day preceding the first college exercises and, except for seniors, are vacated in June on the day following the student's last final examination. Dormitories are closed during the Thanksgiving, Christmas and Spring vacations, and students may not have access to rooms during these periods.

Men's Residences. Gifford and Stewart Halls each accommodate 150 men; preference in choice of rooms is given to students in order of classes and academic standing. Hepburn, Painter and Starr Hall are reserved for freshmen. There is also a French Residence for men. Dormitory rooms are furnished with single or double-deck beds, mattresses, desks, dresser and chairs. Bedding, pillows and other accessories are furnished by the occupants. Because of limited floor space, no additional furniture may be moved into dormitory rooms without first obtaining authorization from the Director of Dormitory Operations or his designated representative. Room fees include heat and electricity, and maid service once a week. Students provide their own laundry service.

Student proctors in each section of the upperclass dormitories report to the Dean of Men and the Director of Dormitory Operations, and represent

the interests of both students and administration in matters concerning dormitory life. Junior Fellows in each section of the freshman dormitories have similar functions and in addition work closely with the Deans and the freshman counselors.

Freshman men are required to dine in Proctor Hall. Other students may dine there, or at fraternity houses, or at restaurants in town.

Women's Residences. Each of the dormitories for undergraduate women is under the supervision of a house director. The room charge includes heat, light and limited maid and janitor service. All rooms are furnished with single bed, pillow, mattress, study table, chiffonier or dresser, and chair for each student. Students provide their own bed linen and towels and provide for their laundering. All resident women students dine in college dining halls. Freshman women dine with the freshman men in Proctor Hall.

Women's dormitories include Forest Hall, Pearsons Hall, Battell North, Center, and South. The Château and Allen Hall accept qualified students who are interested in acquiring facility in spoken French, German, Spanish, or Russian.

FRESHMAN WEEK

Directly preceding the opening of the fall semester, there is a three-day period of orientation to assist freshmen in adjusting to the college community. The program includes Freshman Convocation, an informal assembly, registration, receptions and social gatherings, lectures by members of the college personnel, and placement tests. Each student is assigned to a faculty counselor. Freshmen are also assisted by upperclass student advisers. (See page 33).

CHAPEL SERVICES

On the highest eminence of the campus stands Mead Chapel, where members of the college community may gather for common worship. During the week there are a number of services conducted by the Chaplain, faculty members, and students.

The main weekly service is Sunday Vespers. The sermons are delivered by the Chaplain, visiting clergymen, and faculty members. During 1963–1964 Dr. J. Harry Cotton of Harvard University, the Rt. Reverend Richard Watson, Episcopal Bishop of Utah, Dr. James McCord of Princeton Theological Seminary, and Chaplain Charles Baldwin of Brown University were among those invited to preach in Mead Chapel.

In addition to services there are occasional Chapel lectures by eminent scholars, lay and clerical, who set forth topics of contemporary interest in theological and allied fields.

The Chapel program is entirely voluntary. It is Christian in emphasis and ecumenical in scope.

HEALTH MEASURES

Under the direction of the Medical Adviser the College investigates and cares for the health of each student. Every freshman must present before matriculation a satisfactory health certificate signed by a physician. Physical measurements and health records are filed and corrective exercise recommended when needed. All freshmen and sophomores who are physically able are required to participate in organized physical activities at least two periods a week. The College reserves the right to ask the withdrawal of any student whose physical condition is not satisfactory. A student may be requested to have a thorough physical examination once a year or whenever considered necessary by the Medical Adviser or his representatives. Each student is charged for an accident insurance policy. See page 00.

Porter Hospital is fully equipped for any type of case; there is a resident surgeon member of the American Board on the staff. An Infirmary is operated by the College for minor illness among the undergraduate women. A student is entitled each semester to care while a resident patient at either Porter Hospital or the Infirmary to the amount of $21.00. No doctors' bills or the cost of X-rays or hospital charges other than the daily room allowances will be paid for students. For men students, the cost of a physical examination, when taken at the request of the Medical Adviser, is deductible from the $21 allowance. College nurses, under the supervision of the Medical Adviser to the College, authorize absences due to illness attested by the Hospital, a doctor, or the Infirmary.

The College maintains a psychiatric adviser on its administrative staff. He is a fully qualified psychiatrist and is on the campus usually one afternoon a week. Students may visit him directly or be referred to him by the Deans or by the Faculty Advisers. There is no charge for this service, but if, in the opinion of the psychiatric adviser, a student needs a continuing program of psychiatric assistance, such a program is arranged and financed privately by the student. The psychiatric adviser is in constant touch with the Deans and advises the College of all matters involving the mental health and welfare of the students.

DEPARTMENTAL HONORS PROGRAM

A student wishing to work for Honors in his major field seeks admission to the Program by applying to the chairman of his department before April 15 of his junior year and by proposing an investigation of a problem of sufficient importance and scope to serve as the equivalent of one course during both semesters of his senior year. If the department chairman and staff approve the proposal, a departmental adviser is designated and the proposal is forwarded to the Faculty Honors Committee for its action. In order for the student to be admitted unconditionally to the Honors Program he must have semester averages of 80 or better in two of the three semesters previous to application. He may be conditionally admitted to the Program if he has an average of 80 or better for one of the three previous semesters.

In such cases final acceptance is contingent on his achieving an average of 80 or better during the semester in which he applies.

When the candidate is admitted to the Program, his department assists him in working out an appropriate plan of preparatory reading and research to be completed during the summer before his senior year. His work during his senior year is done individually, but is directed and supervised through frequent meetings with his Honors adviser.

The project culminates in the presentation of a thesis and in an oral examination conducted by a Board consisting of members of the major department and one member from outside the department. Three copies of the typed thesis are submitted by April 20 of the senior year, and the original copy is deposited in the College Library. The oral examination is held prior to the General Examination period in May.

To receive Honors, the candidate must have an average of 80 or better in all work taken in his major department, at least an 80 in the General Examination, and he must have a grade of 85 or better in the Honors project.

To receive High Honors, the candidate must have an average of 85 or better in his major department, at least an 85 in the General Examination, and he must have a grade of 90 or better in the Honors project.

These Honors are printed on the Commencement program and in the next annual Catalogue, and will be certified to, when requested, by a written certificate from the Registrar and the chairman of the department, stating the nature and quality of the work done.

EXTRACURRICULAR PROGRAM

The relatively small size of the College permits participation in a variety of extracurricular activities by all undergraduates. Frequent dances, theatrical productions, sports events, debates, lectures and weekend mountain trips are scheduled throughout the year.

Abernethy Lecture. A writer of distinction is annually invited to address the College upon some aspect of American literature in commemoration of the birthday of Dr. Julian Willis Abernethy, founder of the Abernethy Library.

Concert-Film. Outstanding artists and films are brought to the campus under the supervision of a faculty committee appointed for that purpose. All regularly enrolled students are admitted to these concerts and films without charge.

Many other special lectures are sponsored by the College, under special funds, or through various departments and organizations.

Conference. An annual two-day symposium is held at which outstanding authorities in the fields of the arts, literature, economics, politics, religion, and science discuss with the students problems of current significance.

Religion Conference. In 1953 a group of students organized and raised money for a weekend conference on religion. They envisioned an annual event for the purpose of "exploring the meaning of religion in modern life." In 1957, Mr. Don Mitchell established an endowment to insure an annual income for the Religion Conference. As a result this conference has become one of the important occasions in the college calendar.

Religion Conference lecturer in 1963 was Professor Carl Michalson of Drew University. In 1964 Dr. John Smith, Chairman of the Department of Philosophy, Yale University, will deliver the lectures.

Radio Station. Students operate a campus radio station, featuring interviews, news, athletic events and music.

ATHLETICS

Middlebury College is a member of the Eastern College Athletic Conference, the largest collegiate athletic conference in the nation. This Conference has exacting rules of eligibility affecting competition by its members. Middlebury is also a member of the National Collegiate Athletic Association. The College maintains a healthy and active intercollegiate athletic program consisting of ten sports: football, soccer, basketball, skiing, hockey, baseball, track, lacrosse, golf, and tennis. There is also a freshman athletic program in all intercollegiate sports. Colleges of similar size and type such as Amherst, Williams, Wesleyan, Hamilton, and Union are met in most sports. In some sports Middlebury teams meet Army, Cornell, Dartmouth, Harvard, Massachusetts Institute of Technology, Princeton, Rensselaer Polytechnic Institute, and other large institutions. Middlebury, Norwich University, University of Vermont and St. Michael's College play annually for the Vermont State Championship in most sports.

Intramural games are scheduled in basketball, track, golf, sailing, bowling, tennis, relays, badminton, touch football, volleyball, hockey, softball, and swimming. Skiing and hockey are special features of the winter calendar.

A sports program for women, under the direction of the Department of Physical Education for Women and the Women's Recreation Association, includes intramural competition with other colleges, and participation in organized tournaments and meets open to college women. Activities include archery, badminton, basketball, bowling, diving, field hockey, folk dance, golf, ice skating, lacrosse, modern dance, riding, skiing, softball, squash, swimming, synchronized swimming, table tennis, tennis, trampoline, and volleyball. Performing groups include the Modern Dance Club and the Synchronized Swimming Club.

Students take part in the Annual Winter Carnival which, in the thirty-two years since its inception, has assumed an important role in the social and sports life of the College.

The Athletic Council, composed of representatives of the alumni, faculty, and students, is charged with certain specific duties and responsibilities, and provides opportunity for discussion of all matters concerned

with athletics, and makes recommendations for the promotion of athletic activities.

The College does not assume legal responsibility for the expense in caring for injuries sustained by athletes while training for or participating in athletic competition.

ORGANIZATIONS

Student government is in the hands of the Student Association. Other administrative organizations include the Interfraternity and Panhellenic Councils and Redfield Proctor Hall Board of Governors.

Honorary organizations on the campus are: Phi Beta Kappa, Waubanake, Blue Key, Mortar Board, Junior Counsellors and Sophomore Guides.

There are also athletic, musical, dramatic, literary, religious, and departmental student clubs.

Ten fraternities are represented: Alpha Sigma Psi, Alpha Tau Omega, Chi Psi, Delta Kappa Epsilon, Delta Upsilon, Kappa Delta Rho, Phi Kappa Tau, Sigma Epsilon, Theta Chi, and Zeta Psi; and five national and one local sororities: Alpha Xi Delta, Delta Delta Delta, Kappa Kappa Gamma, Pi Beta Phi, Sigma Kappa and Theta Chi Omega.

Fraternity rushing is held at the beginning of the sophomore year. Sorority rushing takes place at the beginning of the second semester of the freshman year.

STUDENT GOVERNMENT

Students are governed by the Student Association in which all undergraduates have a vote. There are executive, legislative, and judicial branches of the Association.

The Association controls the conduct of students in all matters of college life not under the jurisdiction of the administration. It aims to further a spirit of campus unity and control and coordinate extracurricular activities.

The honor system, on which the women's section of the Association is organized, encourages high standards of responsibility and cooperation, and assists in maintaining the social standards of the College.

PUBLICATIONS

Undergraduates of Middlebury College publish the weekly newspaper, *The Middlebury Campus*. Students assume complete responsibility for the editorial content of the newspaper. The junior class publishes *The Kaleidoscope*, the student yearbook. The *Middlebury Handbook*, giving information about campus organizations and college regulations, is published annually through the cooperation of student editors and the College.

New Faces, a publication containing pictures of the members of the

entering class, is published each year by the College in cooperation with the students and made available to parents and members of the student body.

The Middlebury College News Letter, a quarterly magazine, is published by the College for its alumni.

Your Family and Middlebury is a quarterly publication distributed to parents and friends.

The Middlebury College Bulletin is published eight times during the college year. Periodic numbers include catalogues of the academic year, the Language Schools, the Bread Loaf School of English, the Bread Loaf Writers' Conference, and the Graduate Schools Abroad.

UNDERGRADUATE EMPLOYMENT

A limited number of men may expect to find such employment as waiting on tables, assisting in laboratories and offices, and tutoring. All men wishing part-time work should file an employment application in the Office of Student Financial Aid. However, prior to matriculation, men should address communications concerning employment to the Director of Admissions. Students wishing to serve as sales representatives in dormitories or fraternity houses should register with the undergraduate Committee on Concessions, and receive the approval of the Committee and of the Office of Student Financial Aid.

Women may find similar employment including dining room and kitchen service, house duty, caring for children, typing and clerical work, tutoring, and campus messengers. Application should be made to the office of the Dean of Women. Freshman women may not apply for work before matriculation.

Students employed by the College are expected to apply these earnings to meet their financial obligations to the College; earnings beyond amounts due the College are paid to the student periodically by payroll voucher.

VOCATIONAL PLACEMENT

The Placement Office of Middlebury College provides a central source of information on employment for both undergraduates and graduates. Here are filed college credentials, the record of graduate work and further training, and of first and subsequent positions, together with references from teachers and employers.

Opportunities are given students to meet representatives of various vocations and professions and to learn of openings and requirements in their fields of interest. The Occupational Library in the Placement Office assembles recent publications in a wide variety of fields. Many alumni provide vocational advice for undergraduates.

NAMED AND ENDOWED SCHOLARSHIPS

The following is a list of endowed and other named scholarships offered to Middlebury students. Candidates for scholarship aid are cautioned that

they should not make application for specific named grants. By applying for financial aid, an applicant will be considered for an award from the scholarships listed below or from the general scholarship fund.

THE MIDDLEBURY SCHOLARS. Twenty special awards of up to $1700 each for men and five special awards of up to $1500 each for women, depending on need, are offered to freshmen with an outstanding secondary school background. In the sophomore, junior, and senior years the Middlebury Scholars will be expected to supplement a reduced scholarship grant with loans offered by the College or other agencies.

STATE SCHOLARSHIPS. Through an annual appropriation of the Vermont Legislature, 400 scholarships of $200 each are granted to State residents attending six Vermont colleges of which Middlebury is one. The thirty Vermont senators are each privileged to award a number of scholarships at their discretion to undergraduates in the different institutions. The scholarships are for one year only but may be renewed. Application must be made in the spring directly to the Office of Student Aid, Room 24, Old Chapel.

SPECIAL VERMONT SCHOLARSHIPS. Residents of Vermont who apply for financial aid are automatically considered for several awards of up to $1700 each for men and $1500 each for women. These grants will be awarded to men or women who show promise in qualities of leadership, strength of character and scholastic attainment. In the sophomore, junior, and senior years the Special Vermont Scholars will be expected to supplement a reduced financial grant with loans offered by the College or other agencies.

THE CECILE CHILD ALLEN STUDENT AID FUND. $35,606.25. The income to be awarded to one or more junior or senior women who need financial aid, and who are "the kind of women that Middlebury would be proud to see represent the College in the outside world." Awards are made under the authority of the women members of the Board of Trustees.

THE CORNELIA W. BAILEY FUND. $33,500. Established in 1929 under her will for students of the Protestant faith, residing in Vermont.

THE BALDWIN FUND. $28,122. Received in 1871 from the estate of John C. Baldwin, Esq., of Orange, N.J., for men.

THE CESARE BARBIERI ENDOWMENT FUND. $45,000.

THE JOSEPH BATTELL SCHOLARSHIPS. $500 annually, for young women of Addison County.

EDWARD L. BOND JR. MEMORIAL SCHOLARSHIP. $8,053. Established in 1962 in memory of Edward L. Bond Jr. '62 by his parents and friends.

THE EZRA BRAINERD SCHOLARSHIP. $5,000. Established in 1961 by gift of Ezra Brainerd, Jr. in memory of his father, Ezra Brainerd, Class of 1864, President of Middlebury from 1885–1908. Income is used to aid a deserving student, preferably one who is a resident of Vermont.

THE ELBERT S. AND ANNA H. BRIGHAM SCHOLARSHIP FUND. $334,444.65. Established in 1953. Income to be used for a "Deserving man or woman who is a resident of the State of Vermont." Tenable for four consecutive years.

THE CHARITABLE SOCIETY FUND. $4,012. Established in 1832, for men.

THE ANNIE L. COX SCHOLARSHIP FUND. $2,500. Established for "a worthy student manifesting decided ability in some line of study, preferably a student of Italian parentage."

THE WILFRED E. DAVISON SCHOLARSHIP FUND. $1,632. Established in 1936 by bequest of Frank P. Davison of Cabot, for men.

THE DR. RALPH B. DELANO SCHOLARSHIP FUND of $10,000. Established in 1950. Subject to a reservation of life income.

Delta Kappa Epsilon Scholarship Fund. $5,609.70. The income to be awarded to a member of the Delta Kappa Epsilon Fraternity at Middlebury College.

The Erwin Ewald Drost Memorial Fund. $250. Established in 1944 by Mrs. Marguerite Jahr, Mrs. Winnie Wiesenthal, Mrs. Clara Comstock, and Miss Emma C. Drost, in memory of their brother, Erwin Ewald Drost, class of 1924.

Dean S. Edmonds Scholarship Fund. $34,198.02. Established in 1953. "Income from fund to be used by Middlebury College as it shall determine as financial aid to students at Middlebury College, giving preference to male students and to students of the sciences, more particularly physics, including electronics."

The Fairbanks Scholarships. $2,000. Established by Thaddeus Fairbanks, Esq., of St. Johnsbury, for men.

Rollo J. Francisco Scholarship Fund. $17,919.70. Established under the will of the late Rollo J. Francisco of Rutland, Vermont, in 1951.

E. Chester "Ben" Franklin '21 Scholarship. $20,000. Established in 1962 by Miss Helen A. Franklin in memory of her brother. First preference is to be given to descendants of Ernest Chester Franklin and then to undergraduates maintaining high academic standards and participating in the athletic program of the College.

Eben J. Fullam Scholarship. $10,000. Given in memory of Eben J. Fullam of the class of 1895 by Mrs. E. J. Fullam of Springfield, Vermont.

Alice Brooks Fuller Scholarship Fund. $15,000, "to aid worthy women preferably from Worcester County, Massachusetts."

John Hamilton Fulton Scholarship Fund. $150,000. Established in 1964. Income to be awarded as named scholarships for young men who are graduates of Athens College, Greece, and for young men of Scottish parentage who are graduates of schools located in Scotland.

The William W. Gay Fund. $5,000. Established in 1929 by the gift of Mrs. Frederic F. Van de Water, Jr., in memory of her father, William W. Gay, class of 1876.

Joel B. Harris Scholarship Fund. $23,000, made available in 1937 under an annuity contract with Charles P. Harris, for the benefit of students of the Men's College.

Benjamin L. Haydon Scholarship Fund. $56,831.12. Bequest under the will of Elsie Haydon Cornell. "Income to be used by Middlebury College for scholarships." Benjamin L. Haydon graduated from Middlebury College in 1897.

The Charles B. R. Hazeltine Fund. $14,043.35. Established in 1923 "for assisting worthy students."

The Waldo H. Heinrichs Scholarship Fund. $9,235.50. Established in 1956, the income to be awarded to a man or woman in the sophomore year for use in the junior year.

The John A. Howe Scholarships. $3,000. Bequeathed by John A. Howe, Esq., class of 1853; the income first available for his descendants, and then under certain conditions for students from Poultney.

Christian A. Johnson Memorial Scholarship Fund. $50,000. Established in 1964, for upperclass students with preference being given to those majoring in Economics.

The Frederica V. Jones Scholarship. $10,000. Established in 1950. The gift of Vanderbilt Webb and Cyril H. Jones. Income to be annually used as a scholarship for the benefit of any man or woman who may in the judgment of the college authorities "be deserving of this award."

The Kappa Delta Rho Scholarship Fund. $2,950.63, for worthy male students of the two upper classes majoring in science or mathematics, with preference being given to members of the Kappa Delta Rho Fraternity.

Joseph P. Kasper Scholarship. $25,025. Established in 1962 by the directors of the Associated Merchandising Corporation to honor Joseph P. Kasper '20 on occasion of his retirement from that Company as Chairman of the Board. Income awarded annually in equal amounts to an undergraduate man and woman with the provision that 60% of the award be a scholarship and 40% be a student loan repayable after graduation.

The Sanford H. Lane Memorial Scholarship Fund. $2,000. Established in 1945, for students of the Men's College.

The Ted Lang, Jr. Memorial Scholarship Fund. $16,000. To be awarded annually to a man in his senior year.

The Literary Fund. $740. Established in 1835, for men.

The Levi P. Morton Scholarship. $2,000. Established by Hon. Levi Parsons Morton of New York City, for men.

The New Jersey Student Aid Fund. $400. For men from New Jersey.

The Hewitt Page Scholarship Fund. $250. Established in 1964 by the gift of Hewitt E. Page '33. Income to be added to principal for first five years, after which it shall be used with restrictions under the direction of designated college officials.

The Penfield Scholarship. $1,000. Established by Allen Penfield, Esq., of Burlington, for men.

The Dana G. Pierce Scholarship Fund. $8,012.50. Established in 1951. "For men students from Rutland High School."

William H. Porter Memorial Scholarship. $10,000. Income to be used for a tuition scholarship. Established by Helen Porter Pryibil in 1950.

The President's Purse. $27,537.69. Established by the late Charles M. Swift, Esq., the income to be disbursed at the discretion of the President.

The Fredrika Proctor Fund. $25,000. Established in 1956, the income to be awarded as a named scholarship, to an undergraduate studying French, by the Scholarship Committee.

Justin Ricker Funds #1, #2, #3, #4, and #5. Established by Justin M. Ricker '06 subject to reservations of life income, after which the income of these funds is to be used for scholarships for male students from Bridgeport, Connecticut, or Waterbury, Vermont, or both.

The Eleanor S. Ross Scholarship Fund. $11,142.95. Established by Middlebury Alumnae Association in memory of Dean Eleanor S. Ross Thomas. Awarded annually to a Middlebury senior woman and based equally on the scholarship, need, and all-around merit of the recipient.

The John W. Rowell Fund. $2,000. Established by the late Chief Justice Rowell.

George Robert White Scott (Class of 1864) Scholarship. $99,486.76. Established by bequest of Dr. George Dow Scott, Class of 1895, for students of high character, irrespective of creed, color, race, or scholarship standing, preference to be given first to a student or students belonging to Alpha Mu, Chi Psi, and then to a student or students of North American Indian, Chinese or Japanese descent.

The Bezeliel Smith Fund. $1,000. Established in 1893, for men.

Lucy Smith '18 Scholarship. $20,000. Established in 1961 for needy and deserving students.

The Jonathan Coleman Southmayd Scholarship Fund. $28,600. Established by the late Hon. Redfield Proctor, in 1922, its income first available for students (men or women) from Proctor.

The A. P. Stafford Fund. $1,000. Established "to assist needy students from Wallingford to an education."

The John Wolcott Stewart Fund. $25,000.00. Established in 1956 by the late Philip B. Stewart in memory of his father, the income to be awarded to one or more male students in need of financial aid who, having completed one or more years' courses, have shown themselves to be of good character and worthy of continued enrollment in college.

The Subscription of 1852. $25,000. For men.

Agnes Warner Sunderland Fund. $3,000. Established by Edwin S. S. Sunderland, Esq., class of 1911, the income from which is first available for the assistance of students from Cornwall.

The Arthur Gould Tasheira Fund. $25,000, the income to be used as far as possible to provide scholarships for worthy and deserving students.

Thomas G. Thompson Scholarship Fund. $3,500. In memory of Frank Genung Thompson and Mrs. Alma C. Dow to provide two equal scholarships, one for a young man preparing for the protestant Christian ministry, and the other a young woman.

The Ludgar J. Toussant Fund. $420.41. Established by the class of 1920 in memory of their classmate—Ludgar J. Toussant—killed in World War I.

The Herbert K. Twitchell Fund. $2,000. Established in 1929 by a bequest received under the will of Mr. Twitchell for students from Vermont, preferably Addison County.

The James M. Tyler Fund. $1,000. For students from Vermont.

Bessie Clarinda Verder '98 Memorial Fund for Women Students. $1,000. Established by Blanche Avaline Verder in memory of her sister.

The Voter Memorial Scholarship Fund. $1,325.00. The income to be used for scholarship purposes, in memory of Professor P. C. Voter, formerly Chairman of the Chemistry Department.

The Waldo Fund. $10,000. Established in 1864 by bequest of Mrs. Catherine E. Waldo of Boston, for men.

The Warren Fund. $3,000. Given in 1835 by bequest of Deacon Isaac Warren of Charlestown, Mass., and its income applied in payment of college bills of those who are preparing for the Gospel ministry.

The Asa Wheelock Scholarships Fund. $5,000. Established under the will of Charles B. R. Hazeltine of Arlington, Mass., the income first available for protestant students from the town of Wardsboro, and then from other small country towns in the State.

The Emma Willard Scholarship. $2,000, established in 1895 by the Emma Willard Association, for the benefit of deserving young women. The holder of this scholarship receives a supplementary scholarship bringing the total up to $350. For seniors only.

The Windham County Congregational Scholarship Fund. $2,000. Established in 1951. "Income first available for students proposed by the Conference."

The Harriet B. Winsor Scholarship Fund. $10,000. Established under the will of Harriet B. Winsor, of Springfield, Mass., in 1950. One-half income to provide a scholarship for men and one-half income to provide a scholarship for women.

The Charles Baker Wright Scholarships. $50,000. Established in 1949. Income from fund to provide two full tuition scholarships to be awarded annually to a man and a woman in the senior class.

The Marion L. Young Scholarship Fund. $5,000. Established by the Middlebury Alumnae Association in 1940. Income awarded annually to the freshman woman outstanding in scholarship, personality and athletics.

General Student Scholarship Fund. $40,292. The aggregate of gifts from friends to be used in making loans to students, originating with a gift from Prof. Wm. W. Eaton of $25 in 1911. Income from Fund may be used for scholarships.

The Henry Francis Barrows Scholarship Fund. $1,250. Annually from the Boston Safe Deposit and Trust Company as trustee under the will of Fanny Barrows Reed.

Sarah Frances Hutchinson Cowles Fund. $7,500. Established in 1956 to aid women who have the qualifications to deserve a Middlebury education and who without financial aid would be unable to attend college.

The Grace M. Ellis Memorial Scholarship Fund. Awarded by the Worcester (Mass.) County Alumnae Club on the basis of the scholarship, need and merit of the recipient. Apply to: Mrs. Paul Stone, 79 Whiting Street, Lunenburg, Massachusetts.

The French Government Scholarship. $250. Awarded annually to a student majoring in French and living at the Château or Foyer Champlain on the basis of scholarship, character and personality.

INTERFRATERNITY COUNCIL SCHOLARSHIP. $200. Awarded annually to the senior fraternity man with the highest academic average for his junior year.

THE KEMPER FOUNDATION SCHOLARSHIPS. $1,000 awarded to a man in each class by the Kemper Foundation to aid worthy students interested in careers in insurance.

THE AGNES M. LINDSAY AWARDS. $8,000. Annually from the Agnes M. Lindsay Trust, allocated by the College Trustees to scholarships for men and for women.

THE WILHELMINA C. C. SIEGERT SCHOLARSHIP. $500 annually. May be awarded to either a man or a woman of good citizenship who is in need of assistance.

THE ALBERT HENRY WIGGIN MEMORIAL SCHOLARSHIP. $2,400. Established by the Albert H. and Jessie D. Wiggin Foundation. A four-year full tuition scholarship awarded to deserving students.

THE H. MICHAEL WILSON MEMORIAL SCHOLARSHIP. $200. Awarded to a male student for his fifth or sixth semester in residence, preferably a member of Alpha Sigma Psi, who has demonstrated his financial need by some self-help and who has shown promise in scholarship, qualities of leadership, and a wholesome influence and character through loyalty to and concern for the welfare of his College or Fraternity. Given in memory of H. Michael Wilson by his parents, Mr. and Mrs. H. M. Wilson.

THE SYLVIA WESTIN WURTS MEMORIAL SCHOLARSHIP. Awarded each year to a woman student from the Hartford, Connecticut, area. Apply to: Mrs. Elmer W. Selnau, 23 Tanglewood Road, Farmington, Connecticut.

LOAN FUNDS

Middlebury College, along with the great majority of institutions of higher learning in this country, both public and private, believes that one of the best ways of meeting the mounting costs of a higher education, while at the same time assuring financial aid to all students who need it, is through the increased use of student loans. As the increase in endowment funds of all institutions of higher learning lags far behind increases in the costs of education and living, the accommodation of all students deserving of financial support has become a national problem.

The government's answer to this problem has been the creation of the National Defense Student Loan Program. Middlebury College students are eligible for loans under this program. Prospective candidates for admission may obtain information on the terms of award and financing of these loans from guidance counselors in their secondary schools. Application should be made through the College. Students already enrolled at Middlebury should obtain them from the Office of Student Financial Aid in Old Chapel.

Middlebury College has made a deposit with United Student Aid Funds, Inc., to enable it to guarantee loans available at commercial banks throughout the country to Middlebury students who have completed the freshman year. In addition, loan funds have been created or are being planned by the governments of several states. There are also numerous privately endowed loan funds in various parts of the country, and many banks offer special educational loan plans. In most cases students or parents seeking loans from banks, state or privately endowed funds deal directly with the agency of their choice. Middlebury College, however, invites inquiries about these loan opportunities from enrolled students and all accepted candidates for admission. Inquiries should be addressed to the Office of Student Financial Aid, Old Chapel.

After the freshman year, the College is prepared to offer loans to students from its own loan funds, as listed below in addition to those offered by it through the National Defense Student Loan Program.

Jacob Abbott Loan Fund. $5,605.87. Established in 1952 by Ernest A. Turner of Plattsburgh, New York. "Income to be used for loans to worthy and needy students to be repaid after graduation, with interest after graduation."

Reid L. Carr and Eleanor F. Carr Revolving Loan Fund. $10,952.90. "To help deserving students."

Joel B. Harris Student Loan Fund. A revolving fund of $6,958.23 for loans to Middlebury students.

Hazeltine Student Loan Fund. $2,500, received in 1923 under the will of Chas. B. R. Hazeltine and his sister, Harriet S. Hazeltine, of Arlington, Mass., "the income only to be used as a loan fund in assisting students in Middlebury College."

Elam R. Jewett Student Loan Fund. $3,000, received in 1923 from a friend. "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to men students of the College."

Martha Jewett Nash Student Loan Fund. $3,000, received in 1923 from a friend. "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to women students of the College."

William H. Porter Student Loan Fund. $10,140, an unconditional legacy received in 1927 under the will of William H. Porter of New York. By action of the trustees it was made the William H. Porter Student Loan Fund, the principal to be safely invested and kept intact, the interest therefrom and accretions thereto to be used for making loans to worthy students of the Men's College from Vermont—first consideration being given to those from Addison County.

Justin M. Ricker Fund. $3,387.91. Established in 1956 by Justin M. Ricker, '06.

Emma Hardy Slade Student Loan Fund. $3,000. A revolving loan fund for both men and women, but with preference given to women. Established in 1961 by the National Society of New England Women, in honor of its founder.

PRIZES AND AWARDS

There are many generous prizes and awards for which students may compete in various ways. An Awards Night is held in May of each year at which many of the following prizes and awards are publicly presented by the President.

Charles B. Allen Memorial Prize. In memory of "Corky" Allen, '62. Income of $1,831.75. Awarded to the senior man who has excelled in the fields of biology, chemistry and/or physics, and who by his participation in athletics and other student activities has contributed to the spirit of Middlebury.

Bishop Atwood Historical Prize. Income from $293.71. Awarded to the man who does the most distinguished work in history. Established in 1938 by Julius W. Atwood, 1878, Bishop of Arizona, 1910–1925.

Byron E. Bermas, Jr., Prize. $25. Awarded to a man or women in the senior class who has done outstanding work in Geography.

Berwick Memorial Trophy. In memory of John Frederick Berwick, Jr., Class of 1954, given by Beta Pi of Phi Kappa Tau. "An honor voted annually to the most valuable male intramural athlete who has shown outstanding qualities in performance, leadership, and good sportsmanship."

Deacon Boardman Peace Prize. Income from $1,735.49. Awarded to a member of the junior class submitting the most creditable literary essay of at least 2,000 words in

favor of peace and in opposition to war as a method for settling international differences. In memory of Samuel Ward Boardman, Professor of Rhetoric and English Literature, 1859–1861.

THE BLUE KEY TROPHY. An honor voted annually to the freshman who, by his performance, example, and influence as an athlete and as a man has done the most to advance the cause of sportsmanship, and the spirit of his class and College. Established by Blue Key, 1948.

BARBARA BUCHANAN MEMORIAL AWARD, in memory of Barbara J. Buchanan '62. Income on $1,523. Awarded to the senior woman who most fully represents Barbara Buchanan's academic excellence and ideal of service.

REID L. CARR PRIZE. Income from $1,500. Awarded to the male member of the senior class who has shown the greatest proficiency in English Literature.

GEORGE H. CATLIN PRIZE. The annual income, not exceeding $1,000, on a fund established by the will of George H. Catlin in 1930, awarded annually to the student who completes the full A.B. "classical" course, showing the highest grade for scholarship and deportment. Established in 1918 by George H. Catlin, Hon. LL.D. 1920, Pennsylvania banker.

GEORGE H. CATLIN CLASSICAL PRIZE FUND. Income from $1,000. Awarded to a man in the senior class whose college work in Greek and Latin is adjudged worthiest of distinction.

GEORGE H. CATLIN FUND. Income from $7,615.74. Established by the will of George H. Catlin, in 1951. Awarded each year to the student who has completed with the highest average the full four-year "classical" course, including preferably some study of Latin and Greek.

EATON PRIZE. Income from $1,000. Awarded to the student who in the opinion of the President and the Faculty has maintained the highest standing in the Classics.

GEORGE ELLIS FELLOWSHIPS. Two fellowships, each with an annual value of over $2,000, were established at Columbia University in 1931, under a provision in the will of George W. Ellis, to be open primarily to residents of Vermont or to the graduates of Middlebury, Norwich, and the University of Vermont. The fellowships are awarded to qualified men or women for pursuing advanced or graduate study in any of the faculties or schools at Columbia. Information on this fellowship may be secured from the President's Office.

HARRY M. FIFE MEMORIAL. Income from a fund of $582.77, established in memory of Harry M. Fife, Professor of Economics, 1925–50.

HAZELTINE-KLEVENOW CUP. Awarded to a man in any of the four classes who has best combined ability in athletics and excellence in scholarship. The name of the recipient is placed on the cup as a permanent record, and a replica of the cup is presented to the winner. Established by Marshall M. Klevenow, Middlebury coach, 1925–1928, and Burt A. Hazeltine, Dean of Men, 1926–1938.

KELLOGG LATIN ENGLISH PRIZE. $20. and $15. Awarded for the two best examination papers on Horace. Established by Brainerd Kellogg, Professor of Rhetoric and English Literature, 1861–1868, and trustee, 1885–1920.

EDWIN WINSHIP LAWRENCE PRIZES. Income from $13,140.34. Awarded to three students adjudged by the English Department to exhibit the greatest proficiency in debating. Established in memory of the donor's father, George Edwin Lawrence, 1867, Vermont lawyer.

EDWIN WINSHIP LAWRENCE PRIZES. Income from $2,000. ($1,000 of this fund is held by the University of Vermont.) Awarded to four debaters participating in the annual debate between the University of Vermont and Middlebury. The winners are the best four in the two teams. Established by E. W. Lawrence.

EDWIN WINSHIP LAWRENCE PRIZE. $120. Awarded annually to the freshman or sophomore showing the greatest improvement in debating proficiency. Appropriated from the income of the Edwin Winship Lawrence Fund For Developing and Improving Debating to encourage freshman and sophomore students to engage in debating.

Rose Martin Spanish Prize of $25. Awarded to that woman graduating with a Spanish Major, named by the Department of Spanish for her outstanding performance in the major area. Established in May 1961 by the Manhattan Middlebury Alumnae Association.

Merrill Prizes. $30, $25, $20, $15. Awarded to four students adjudged best speakers in a contest of students. Established in 1882 by Thomas A. Merrill, Middlebury pastor, 1805–1842, and trustee, 1842–1852.

Mortar Board Cup. Awarded to a sophomore woman who in the opinion of the Chapter has shown the greatest interest in College by participation in extracurricular activities and by attainment of high scholarship. Established by Mortar Board.

Optima Prize. $200. Awarded to the junior woman who by vote of her class is considered most typical of Middlebury, as shown in character, scholarship, and personality. The winner also receives a gold emblem. Established in 1929 in memory of Henry Hobart Vail, 1860, trustee 1893–1925, by Mr. and Mrs. Roger S. Baldwin in appreciation of the benefits derived by their daughter Catherine (Mrs. Donald Blanke) during her undergraduate years at Middlebury.

Mildred Virginia Osher History Prize. Established in 1963 by Lloyd J. Graybar '60 in memory of his aunt, Mildred Virginia Osher. Income of $500. Awarded annually to the student who writes the best honors thesis in history or, at the discretion of the departmental chairman, to the senior student who has displayed the greatest proficiency in the study of history during the four undergraduate years.

Parker Prizes. $50 divided. Awarded to students, adjudged best speakers in a contest of students. Established in 1807 by gift of Daniel Parker, French merchant and landlord, and by Frederick Hall, Professor of Mathematics and Natural Philosophy, 1806–1824.

John P. Stabile Memorial Cup. Awarded to the athlete who best exemplifies the Middlebury spirit. Established in memory of Lt. John P. Stabile, '40, killed in action, Guadalcanal. Established by Lt. John F. Hogan, '41.

Mary Dunning Thwing Prize. Income of $1,500. Awarded to a student of the Women's College who in her junior and senior year has done the best work in English composition, prose and poetry. Established by Charles F. Thwing, President of Western Reserve, in memory of his wife, Mary Dunning Thwing.

Alice J. Turner Memorial Trophy. Awarded each year to a member of the varsity basketball team.

Wetherell Prizes. Income from $1,206.69. Awarded to the two men showing the greatest interest and proficiency in debating. Established by friends in 1922 as a memorial to Archibald D. Wetherell, Assistant Professor of History, 1908–1916.

Franklin G. Williams '13 and Sara H. Williams '12 Memorial Award. Income from $1,000 to be awarded to a young man or woman in the sophomore class, on the basis of deep human qualities of natural kindness, perceptivity of the needs and feelings of others, and an abiding sense of personal responsibility.

Woolsey Prizes. Income from fund of $1,188.14. Awarded to the two undergraduates writing the best examinations in Bible. Established in 1933 by Theodore S. Woolsey, trustee, 1922–23.

Attendance Statistics

FIRST SEMESTER 1963–64

GEOGRAPHICAL DISTRIBUTION

United States and Possessions	Men	Women	Total
New York	185	112	297
Massachusetts	143	72	215
Connecticut	105	60	165
New Jersey	93	63	156
Vermont	59	65	124
Pennsylvania	25	25	50
Illinois	18	17	35
New Hampshire	25	9	34
Maryland	11	15	26
Ohio	8	14	22
Michigan	9	10	19
Maine	10	7	17
Colorado	11	3	14
Virginia	2	12	14
Minnesota	10	3	13
Rhode Island	6	6	12
California	6	2	8
District of Columbia	3	4	7
Missouri	6	1	7
Florida	4	2	6
Georgia	2	4	6
Hawaii	1	5	6
Washington	2	4	6
Delaware	2	3	5
Iowa	3	2	5
Wisconsin	2	3	5
Kansas	1	3	4
Texas	2	2	4
Indiana	2	1	3
Montana	1	2	3
North Carolina	2	1	3
Utah	1	2	3
Alaska	2	0	2
Kentucky	1	1	2
Nebraska	1	1	2
Oklahoma	0	2	2
Tennessee	0	2	2
Idaho	0	1	1
Louisiana	1	0	1
Nevada	1	0	1
New Mexico	0	1	1
Wyoming	0	1	1
Outside United States			
Canada	8	3	11
England	1	1	2
Italy	0	2	2
Switzerland	0	2	2
Cambodia	1	0	1
Colombia	1	0	1
Dominican Republic	0	1	1
Germany	0	1	1
Greece	0	1	1
Hong Kong, B.C.C.	1	0	1
Iran	1	0	1
Japan	0	1	1
Nicaragua	0	1	1
Nigeria	1	0	1
Norway	1	0	1
Saudi Arabia	0	1	1
Turkey	0	1	1
Uruguay	1	0	1
Venezuela	1	0	1
Wales	0	1	1
Yugoslavia	1	0	1
	784	559	1343

ATTENDANCE BY CLASSES

Undergraduates	Men	Women	Total
Seniors	188	118	306
Juniors	180	122	302
Sophomores	185	150	335
Freshmen	226	162	388
	779	552	1331
Special Students	1	7	8
Graduate Students	4	0	4
	784	559	1343

GENERAL SUMMARY

Regular Session	Total
Undergraduates	1331
Special Students	8
Graduate Students	4
	1343
Graduate School of French in France, 1963–64	62
Graduate School of German in Germany, 1963–64	50
Graduate School of Italian in Italy, 1963–64	15
Graduate School of Spanish in Spain, 1963–64	71
Language Schools, Summer 1963	1027
Bread Loaf School of English, Summer 1963	206
Writers' Conference, Summer 1963	139
	2913
Less: Counted twice	165
	2748

HISTORICAL EVENTS

1761	Nov. 2	Charter of the town of Middlebury granted from New Hampshire.
1766	June	John Chipman clears first "pitch" in Middlebury.
1773	June	First log house built in town by Benjamin Smalley.
1777	Jan. 15	Vermonters make Declaration of Independence from New Hampshire.
1778	Nov.	Settlement of Middlebury completely plundered by British.
1783	Apr. 3	First *permanent* settlement made in town.
1791	Mar. 4	Vermont admitted to the Union.
1796	Oct. 25	Present site of College Campus annexed from town of Cornwall.
1797	Nov. 8	Addison County Grammar School chartered by the State Legislature.
1798	Sept. 30	Timothy Dwight visits Middlebury and a plan for starting Middlebury College is discussed.
1800	May	Female Academy established.
	Nov. 1	College charter granted by State Legislature and Jeremiah Atwater elected first President.
	Nov. 4	First Trustees' Meeting.
	Nov. 5	First students admitted.
1802	Aug. 18	First College Commencement. One student, Aaron Petty, graduated.
1806	Aug. 21	Professorships of Natural Philosophy and Law created.
1807	July	Emma Hart elected Principal of the Female Academy.
1809	May 31	Congregational Church dedicated.
	Aug. 16	Jeremiah Atwater resigns; Henry Davis elected President.
1810	Aug. 15	First Professorship of Languages established.
1811	Sept.	Great religious revival in College.
1816	Mar.	Painter Hall opened to students.
	Aug. 22	Professorship of Divinity established.
1817	Oct. 6	President Henry Davis resigns.
	Oct. 7	Joshua Bates elected President.
1819	May 21	Gamaliel Painter dies, bequeathing most of his estate to Middlebury.
1820	Aug. 16	Middlebury adopts Castleton Medical School.
1822	Dec.	Private French School opened in Middlebury by John B. Meilleur.
1824	Aug. 18	Alumni Association formed.
1827	Dec. 4	Mechanical Association for "promoting systematical bodily exercise" started.
1830	Oct. 28	First issue of *The Undergraduate* published.
1833	July	*The Philomathesian*, undergraduate literary magazine, first published.
1835	Aug. 20	Chair of English Literature and Education founded.
1836	Aug.	Old Chapel completed.
1839	Jan.	Great religious revival ends disastrously.
	Mar. 18	Inauguration of the Professors.
	Sept. 4	President Joshua Bates resigns.
1840	Apr. 20	Morning chapel is changed from 5:30 to 5:00.
1841	May 18	Benjamin Labaree inaugurated President.
1842	Dec. 2	First Forefather's Day celebrated at Middlebury.

1843	Nov. 26	Middlebury Chapter of Chi Psi founded.
1859	Apr. 15	First athletic field planned.
1860	Nov. 1	Cornerstone for Starr Hall laid.
1861	Mar.	Gymnasium opened for College and town.
	Apr.	Full company of students enlist.
1864	Dec. 25	Starr Hall burned.
1865	June	Bread Loaf Inn opened.
	Aug. 8	President Benjamin Labaree resigns.
1866	Jan. 2	Harvey D. Kitchel elected President.
1868	Aug. 7	Phi Beta Kappa charter granted to Middlebury.
1873	July	President Harvey Kitchel resigns.
1875	June 8	Calvin B. Hulbert elected President.
1876	Mar.	First issue of the "second" *Undergraduate* published.
1880	Aug. 23	Cyrus Hamlin elected President.
1881	Sept. 27	Formal opening of Library in North Painter Hall.
1883	Sept. 13	First women enter Middlebury.
1885	July 1	President Cyrus Hamlin leaves office.
1886	Apr. 17	Ezra Brainerd elected President.
1888	Mar. 16	College snowbound in 10 to 15 foot drifts.
	Nov. 24	State Legislature gives first financial assistance to College—$1200 for scholarships.
1889	Nov.	First Glee Club formed.
1890	June	Elective system established.
1891	Sept. 10	Battell Hall, first women's dormitory, opened.
1893	Oct. 21	First organized College football practice.
1895	June	Board at Battell Hall raised to $3.50 per week.
1897	July 13	Fund for Chair of Political Economy and International Law established.
1900	July 3	Starr Library dedicated.
1902	Dec. 4	Women's College at Middlebury established.
1908	Oct. 17	President Ezra Brainerd resigns and John Thomas elected President.
1909	May	Joseph Battell donates women's campus.
	July 7	First Summer School session opened.
1911	June	Pan-Hellenic council is created.
1912	Mar. 9	Alumnae Association formed.
	May	Women's Athletic Association organized.
1915	Feb. 23	Joseph Battell dies, leaving to the College a mountain campus of over 30,000 acres.
	June 29	German Summer School opened.
1916	July 8	French Summer School opened.
1917	May 6	College closes to permit students to enlist.
	June 30	Spanish Summer School opened.
	Sept. 26	*Campus* becomes a weekly newspaper.
1918	Oct. 25	S.A.T.C. programs for Artillery, Air, Chemical Warfare, and Transport Service adopted.
1920	June 30	Bread Loaf School of English opened.
	Sept. 20	Maison Française, one of the first in America, opened at Logan House.
1921	Jan. 28	President John Thomas resigns.
	July 28	Paul D. Moody elected President.
1922	Nov. 22	Black Panther adopted as College mascot.

1923	Feb. 22	Middlebury's first winter carnival.
	Sept.	Department of American Literature established.
1926	June 5	First Alumni News Letter published.
	Aug. 16	First Writers' Conference opened.
1931	May 6	General examination system adopted by faculty.
	June 14	Bread Loaf fire.
	July 6	German Summer School reopened.
1932	July 1	Italian Summer School opened.
1941	Aug.	Old Chapel becomes Administration Building.
1942	Feb.	College goes on wartime schedule.
	June 1	President Paul D. Moody retires; Dr. Freeman Acting President.
1943	Jan. 6	Samuel S. Stratton inaugurated as President.
	July 1	College adopts an accelerated three-term calendar.
	July 1	Navy V-12 unit of 500 men established at the College.
1945	June 29	Russian Summer School opens.
1947	July 1	First women elected to the Board of Trustees.
	Nov. 7	Fifty meter ski jump at Snow Bowl completed.
1949	June 11	World War II Memorial Field House dedicated in honor of the 62 men killed in action and the 1390 men and women who served in the Armed Forces.
	Oct. 1	Graduate School of French in France established in Paris.
1950	Sept. 30	Sesquicentennial Celebration.
	Nov. 25	The hurricane.
1951	Oct. 1	Graduate School of Spanish in Spain established in Madrid.
1952	Feb. 25	Pres. Stratton leaves for a year as Point Four Director in Saudi Arabia. Vice President Freeman in charge.
	Sept. 18	R.O.T.C. unit established.
1953	Dec. 23	College Playhouse destroyed by fire.
1954	Mar. 18	Gifts from Wilks Estate total $2,454,399.
1957	July 1	Endowment and Accomplishment Grants from Ford Foundation total $549,500.
1959	Oct. 15	Graduate School of German in Germany established at Mainz.
1960	Sept. 19	Ford Foundation Grant of $111,500 for Teacher Training Program.
	Oct. 1	Graduate School of Italian in Italy established at Florence.
1963	Sept. 1	President Stratton retires; Dr. James I. Armstrong becomes twelfth President of the College.
	Nov. 8	James I. Armstrong inaugurated as President.
1964	June	Notification of Challenge Grant of $1,700,000 by Ford Foundation contingent on the College's matching it with $3,400,000 in new gift funds by June 30, 1967.

ALUMNI AND ALUMNAE

The Associated Alumni, one of the oldest organizations of its type in America, was established in 1824. The preamble to the constitution stated the purpose of the organization of 33 words that could not be better chosen today: "To revive the pleasing recollections of academic life—to cherish a laudable zeal for the advancement of literature and science and particularly for the prosperity of our Alma Mater this association is formed." A separate Alumnae Association for women graduates was formed in 1912.

The business of the Associated Alumni and Alumnae Association is conducted through the offices of the respective secretaries at the College. Biographical information and addresses may be secured through them. The NEWS LETTER, the Middlebury quarterly magazine, is mailed to all alumni and alumnae.

NATIONAL ALUMNI OFFICERS 1964–65

President: GEORGE A. BERRY, III, '41 — R. R. 1, Box 548, Burr Road, St. Charles, Illinois

Secretary: GORDON C. PERINE, '49 — 22 South Street, Middlebury, Vermont

ALUMNI TRUSTEES

(*Term Five Years*)

REGION 1

ANTHONY G. L. BRACKETT, '33 (elected 1961) 19 Cherry Lane, Wilton, Connecticut

REGION II

FOSTER R. CLEMENT, '27 (elected 1960) 382 Bedford Road, Chappaqua, New York

REGION III

HAMILTON SHEA, '36 (elected 1963) Rawley Pike, R.D. 1, Harrisonburg, Virginia

TRUSTEE-AT-LARGE

ROBERT T. STAFFORD, '35 (elected 1962) 709 Sleepy Hollow Road, Falls Church, Virginia

ALUMNI DISTRICT PRESIDENTS

(*Term Three Years*)

REGION I

Northern New England—Maine, New Hampshire, Vermont

PHILIP A. WISELL, '42 (elected 1963) — Box 270, Middlebury, Vermont

Massachusetts

GORDON E. EMERSON, JR., '40 (elected 1963) — Drumlin Road, Pigeon Cove, Massachusetts

Connecticut and Rhode Island

G. RANDOLPH ERSKINE, '34 (elected 1962) — 348 South Main Street, Wallingford, Connecticut

REGION II

New York State—Other than area around New York City

GEORGE E. YEOMANS, '33 (elected 1961) — 5 Barons Road, Rochester, New York

New York City—New York City, counties around City, and Long Island

RANDALL W. HOFFMANN, '37 (elected 1962) — 2023 Hendricks Avenue, Bellmore, New York

New Jersey and Pennsylvania

WILLIAM S. WEIER, '33 (elected 1961) — 176 Kemp Avenue, Fair Haven, New Jersey

REGION III

Washington—Delaware, Maryland, D. C., Virginia, West Virginia, and all southern states east of Mississippi

DR. KENNETH E. COSGROVE, '42 (elected 1964) 570 Seventh Avenue, Hendersonville, North Carolina

Mid-West—Illinois, Michigan, Indiana, Ohio, Wisconsin, Minnesota, Iowa

ROBERT J. M. MATTESON, '38 (elected 1964) 1642 East 56th Street, Suite 219 Chicago 37, Illinois

Western—All states west of Mississippi, excluding Minnesota and foreign countries

PHILIP W. HOFFMIRE, '49 (elected 1964) 232 Mt. Shasta Drive, San Rafael, California

PRESIDENTS OF ALUMNI CLUBS

Boston: ROBERT E. SEIXAS, '49 97 Fisher Street, Westwood, Massachusetts

Montreal: KENNETH KOURI, '59 13 Greenwood Street, Ste. Therese, Que., Canada

Worcester: CALVIN B. FARNSWORTH, '26 141 Prescott Street, West Boylston, Massachusetts

NATIONAL ALUMNAE ASSOCIATION OFFICERS 1964–65

President: MRS. ANTHONY G. L. BRACKETT (Mary Williams, '36)
19 Cherry Lane, Wilton, Connecticut

Vice President: MISS RUTH E. BARNARD, '31
34 Mettowee Street, Granville, New York

Secretary: MRS. GEORGE H. PATRICK, III (Constance Sherman, '53)
37 Chipman Park, Middlebury, Vermont

Delegates-at-Large: MRS. WILLIAM H. PRICE (Margaret Drysdale, '49)
66 Frankland Road, Rochester 17, New York

MRS. JOHN M. O'BRIEN (Dorothy Laux, '45)
1 Circle Hill Road, Pelham Manor, New York

ALUMNAE TRUSTEE

(*Term Five Years*)

MISS MARIAN G. CRUIKSHANK, '30 (elected 1964) 52 William Street, Worcester, Massachusetts

PRESIDENTS OF THE REGIONAL ALUMNAE CLUBS

Boston: MRS. DOUGLAS W. SYLVIA (Mary-Jean Burr, '52)
10 Adams Road, Concord, Massachusetts

Burlington: MRS. C. GRANT WARNER (Barbara Mackinnon, '56)
239 Maple Street, Burlington, Vermont

Cape Cod: MRS. ERIC B. CARLSON (Gunhild Elfstrom, '27)
338 Great Marsh Road, Centerville, Massachusetts

Chicago: MRS. NORMAN R. ATWOOD (Barbara Counsell, '43)
900 Oakton Street, Evanston, Illinois

Cleveland: MRS. DAVID W. HAY (Charlotte Clark, '51)
16243 Oakhill Road, Cleveland Heights 12, Ohio

Fairfield County (Ct.): MRS. ANTHONY G. L. BRACKETT (Mary Williams, '36)
19 Cherry Lane, Wilton, Connecticut

Hartford: MRS. ELMER W. SELNAU (Lois Brigham, '47)
23 Tanglewood Road, Farmington, Connecticut

Long Island: Mrs. Henry S. Miller (Edith Grimm, '41)
14 Scott Drive, Huntington Station, New York
Manhattan: Miss Marilyn R. Bruhn, '47
150 East 93rd Street, New York 28, New York
New Jersey: Mrs. Alfred G. Thomson (Elizabeth VanSplinter, '49)
48 Brookview Terrace, Bergenfield, New Jersey
Mid-Jersey: Mrs. James H. Rankin (Elinor Dickie, '42)
13 Charles Place, Chatham, New Jersey
Northern New Jersey: Mrs. Harold S. King (Ruth McNulty, '31)
419 Arden Court, Ridgewood, New Jersey
Philadelphia: Mrs. John D. Kempf (Pauline Bibby, '55)
116 Ashley Road, Newtown Square, Pennsylvania
Pioneer Valley (Mass.): Mrs. Franklin H. Thorn (Muriel Johnson, '30)
Deerfield, Massachusetts
Rochester (N.Y.): Mrs. Wendell F. Smith, Jr. (Mary Dickey, '57)
30 Sandle Drive, Fairport, New York
Twin State (Vt.-N.H.): Mrs. Hoyt Battey, Jr. (Jean Davis, '47)
Glenaaron, Chelsea, Vermont
Washington, D. C.: Mrs. Donald W. Jeffries (Paula Knight, '45)
3104 Que Street, N. W., Washington, D. C.
Westchester: Mrs. Ferdinand Vetare (Lois Tyson, '52)
28 Marion Avenue, Mt. Kisco, New York
Worcester: Mrs. Paul Stone (Helen Thomas, '38)
13 Hemlock Drive, Lunenburg, Massachusetts

Honorary Degrees Conferred by Middlebury College

August 13, 1963

DOCTOR OF LAWS

Kenneth Warren Mildenberger

June 8, 1964

DOCTOR OF LAWS

Deane Chandler Davis

Francis Keppel

Kyriakos Panayoti Tsolainos

DOCTOR OF LETTERS

Whitney Jennings Oates

Rosemary Park

Degrees in Course

August 10 and 13, 1963

DOCTOR OF MODERN LANGUAGES

French Summer School

Daniel Joseph Petrizzi

German Summer School

Thelma Beatrice Watson

Spanish Summer School

Anne Chamberlain Dash

MASTER OF ARTS

English Summer School

Ethan Toby Allen
Nichola Bailey
Janet Rambo Barnitz
Patricia Ann Brenner
Norma Mildred Chase
William Wanton Dunnell, III
Orville Joseph Fleming, II
Dorothy Morgan Freimarck
Richard Darragh Hindley
Mary Harriet Joslyn
Eleanor Loos Kleinschmidt
Anne Valenza Kramer
Joan Angus Lyford
Patricia Green Marshall
Judith June Packard
Barbara White Smith
Kathleen MacKenzie Swain
Maurice Deane White

French Summer School and Graduate School of French in France

John Joseph Bevilaqua, Jr.
Norman Tolliver Dill, Jr.
Sarah Mae Gladhill
Evelyn Sara Hagelin
Pedro Carlos Harispe
Simone Hausman
William Clark Horner
Catherine Mary Hummel
Claudie Andree Juliard
Helen Durick Mangan
Vivetta Giovanna Petronio
Estella Crouse Ranck
Kay Carlson Roberts
Harry Charles Snyder, Jr.
Mary Winifred Sullivan
Yvonne Alice Thomas
Elizabeth Wilson Warren
Edward Frank Wilgocki, Jr.

Paula Aronhalt Bartlow
Mary Louise Boorsch
Mary Brooks Borland
Nancy Campbell Boyle
Mary Ann Brady
Alvord Gardner Branan
Royal Scott Brown
Michael Herbert Call
Wilfred Delisle
George Theodore Diller
Mary Patricia Duffy
Elizabeth Bryant Evans
Guy Theophile Filosof
Sue Ashton Fines
Liliane Jeanne Frank
Pierre Leon Gerber
Robert Michael Glick
Judith Leona Greenberg
Merrill Margaret Hamlin
Suzanne Hecht
Carol Eleanor Jones
Jane Keeney
Richard Leroy Kurth
Blaise Raymond Lagace
Mary Margaret Leonard
Olin Nick Lynn, Jr.
Margaret Rose McCluskey
Roy Iner Madsen, Jr.
Francoise Julia Melat
James Harrison Nesbitt
Carol Membrino Nettelbeck
Eunice Smith Newnam
Nancyann Norma Orth
Virginia Louise Prettyman
David Bryant Richards
Elizabeth Madge Roy
Frederic Joseph Shepler
Barbara Joan Shipman
Enrique Alcides Thompson-G
Michael McLeod Thompson
Mary Jean Tomporowski
Robert Michael Webster
Dalia Valentine Zirgulis

German Summer School and Graduate School of German in Germany

Eleanor McVey Beers
Hildegard Marie Gensch
Herbert Hochhauser
William Temple Mitchell
William Wilson Mount, Jr.
Hildegard Reske
Sister Mary Amata Geisheimer
Sister Mary Olga Felsmann
Edwin Carl Tappert
Mildred Louise Voss

Anne Louise Achberger
Peter Berndt

Elizabeth Caroline Bock
Joan Cantwell
Vincent Anthony DiNapoli
Werner Paul Enzler
Jacob Erhardt
Julie Ann Fryatt
Glenn Albert Hamm
Christopher Kimball Hart
Katherine Louise Holli
Agnes Freudenberg Hostettler
Marion Beatrice Kalbach
Maruta Lietins
Judith Lee McLaughlin
Peter John Macris
Barney Martin Milstein
Ruth Louise Mueller
Joy Anne Nicholson
Marvin Polansky
Margot Reis
Margaretha Marianne Roeloffs
Helmut Werner Schaefer
Nan Dora Schneeberg
Gale Murray Scholes
Adeline Theiss Shockey
Tomm Baird Shockey
Homer Herman Paul Splittgerber
Katherine Lyle Starr
O'Niel Leonard Sween, Jr.
Viia Vali
Edith Antonio Wagner
Mary Ann Whalen

Italian Summer School and Graduate School of Italian in Italy

Gaetano Alfredo Boccia
Aldo Finco
Vincent Joseph Mavilla
Michelina Ann Sammartino
Rose Marie Sollecito

Catherine Eleanor Arena
Nancy Gail Bradley
Louis John Celona
Janet Fernie Elderkin
Alba Mary Malizia
Joan Ann Mariani
Joseph Vincent Nardiello
Janet Silvia Ottolenghi
Judy Angela Rorai
Sister Mary Eugenio Motta
Marilyn Elizabeth Vagliente

Russian Summer School

Neale Warren Austin
Joseph Bozicevic
Linda Lee Evans
Larissa Mollison Keller
Elisabeth Tiiu Keps
Raymond Maladowitz
Irene Seduro
Ruth Sutkover
Polina Arensburger Vitz
Jack Weiner
Edward D. Wolski
Helena Marie Zapletalova

Spanish Summer School and Graduate School of Spanish in Spain

Martin Ackerman
John Calhoun Birmingham, Jr.
Brother Cyril Myers (FSC)
Brother Thomas Callan (FSC)
Barbara Irene Burke
Ida Mae Callier
Elizabeth Carew
Douglas Hamilton Cooper
Alea Blackwell Dahnke
Janet Ann DeLucia
Michaelene DiLoreto
Martin Dolci
Beatriz Montagu deGogorza
Barbara Sue Goland
Robert Jay Handelsman
Carroll Coughlin Hughes
Della Jeanne Kilbourn
Manuel Claudio Lassaletta
Dorothy Cogan McMichaels
Pilar Martinez
Peter Messner
Aldamaria Vignale Morinello
Shirley Elizabeth Ownes
Charles Ewing Pearce
John Paul Rolczynski
Elizabeth Grace Royce
Herbert Raymond Shindler
Sister Francis de Lourdes, C.S.J.
Sister M. Albert (Mazzetti), R.S.M.
Sister Mary Appolonia (Matjasic)
Sister Mary Raphaella
Sister Noela Miriam (Rockwitz)
Rose Marie Skelly
William Flint Smith
Carolyn Owen Thiessen

Walter Edward Thompson
Norma Seney Valdes
Joseph Charles Viscosi
Mary Josephine Vonasek
Maunida Sue Wales
Patricia Marie Wilson
Sister Joseph Mary (Craig), R.S.M.

Margaret Elizabeth Acosta
Carole Louise Almeida
Dorothy Sinnes Anderson
June Brown Andrews
Manuel Jose Asensio, Jr.
Charles Resh Beals
Carlos David Blanco
Mary Jane Frances Brownson
Cynthia Ann Cason
Eliot Warner Coleman, Jr.
Joyce Marie Collins
Judith Anne Collins
Leith James Corbridge
Gloria Frances Corral
Maria Melanie Cravanzola
Ann Cynthia delRegato
John Patrick Dever
Ellen Catherine Ducy
Judith Lenore Ellenbogen
David Allen Foltz
Barbara Marion Freer
Virgil Libero Gelormino
Alison Martha Gibb
Bruce Morris Goldfaden
William Roderick Hanson
Ottmar Hegyi
Judith Anne Hepler
Eduardo Hernandez Ortiz
Hilda Hodges
Nancy Rae Howell
Karen Louise Johnson
Christopher Shaw Jones
Lourdes Miranda King
Patricia-Ann Klubnik
Judith McDermond
Barry Hill Mann
Patricia Ann Martin
Dorothy Charlotte Marton
Judith Audrey Moore
Michael Alan Morris
Rosalie Helen Oliver
Ann Brooks Peaden
Barry Primorac
Diana Esther Rivera
Sheldon Irving Roach
Maureen Sara Roddam
Elizabeth Crossan Rouse
Frank W. Sargeant
Beverly Joan Sherp
Ida Marquez Silva
Edward Francis Spicer
George Butler Steuart
Nancy Jean Tuttle
Nora Scott Wright

January 30, 1964

MASTER OF ARTS

Judith Lucille Commisso, A.B. (*Barnard College*) *1961*
Judith Ann DeMaio, A.B. (*Trinity College*) *1962*
Kathleen Ellen Eagan, A.B. (*Wilson College*) *1962*
Robert Vernon Garner, Jr., A.B. (*Gordon College*) *1962*
Kathleen Harra, A.B. (*University of the Pacific*) *1962*
Richard Keller, A.B. (*Antioch College*) *1961*
John McCormick Mehan, A.B. (*Univ. of Washington*) *1962*
Julius Joseph Montagna, B.S. (*William & Mary College*) *1959*
Joan Grace Reid, A.B. (*Hunter College*) *1957*
Susan Elizabeth Scherer, A.B. (*Wells College*) *1962*
Paula Alexina Spurlin, A.B. (*Mount Holyoke College*) *1962*
Louise vonFrantzius, A.B. (*Northwestern University*) *1949*
Doris Jean Zettle, A.B. (*Cedar Crest College*) *1950*
M.S. (*Temple University*) *1958*

BACHELOR OF ARTS

Stephen Paige Adams
John McNeil Angier
Peter Kinsley Austin
William Edmund Eastler, Jr.
Donald Edward Freeman
Harold Chandler Freeman, III
Peter Edward Gerbic
Mary Hart Harris (Mrs.)
Carol Anne Hood
William Oakey Hopkins
Thomas Edward Keating
John Walter McHenry, Jr.
Thomas Glassco Moore
Robert Stephen Pullen
Kenneth Rosen
Francis Burritt Shepard
William Alexander Sihler
Robert Perkins Youngman
Daniel Emil Zeman

June 8, 1964

MASTER OF ARTS

Alice Dunning Cobble (Mrs.), A.B. (*Smith College*) *1931*
Joseph Frederick DiOrio, II, A.B. (*Dickinson College*) *1953*
David Sidney Greenberg, A.B., M.A. (*New York State College for Teachers, Albany, N. Y.*) *1956, 1957*
Henry Rottenbiller, B.Ed. (*University of Alberta*) *1960*

MASTER OF SCIENCE

Charles Candee Whitney, Jr., A.B. (*Northeastern University*) *1962*
Arthur Murray Wood, A.B. (*Middlebury College*) *1962*

BACHELOR OF ARTS

Bruce Verne Allbee
Stephen Ronald Ames
Linda Mary Anderson
Anna Christine Isabella Andrew
Josephine Marie Arnold
Joseph Garibaldi Aulisi
Barbara Curtis Bailey
Christopher Evans Baker
Isabel Elizabeth Bakke
John Paul Balcer
Peter Glenn Ballou
Robert Anthony Benedetti
Richard Erich Benesh
Stephen Cecil Berns
Linda Jean Berry
Liane Maerice Bicknell
Robert Gordon Bingham, Jr.
Jane Bowditch
Barbara Park Brown
Daniel Lee Brown
Stephen Dechman Brown
Miles Taft Bryant
Martha Case Buckwalter
Charles Chauncey Buell, Jr.
Molly Streeter Buffum
Christopher Burden
Elizabeth Ann Bushey
Francis Paul Butler
John Lucius Buttolph, III
John Frederick Cahill
Lee Calligaro
Linda Cancellieri Calligaro (Mrs.)
Susan Trefts Camden
Ellen Vaughan Campbell
Phyllis Dawson Campbell
Stuart Duncan Campbell
Howard Lionel Canaan
Michael Vincent Caola, Jr.
Donna Lee Carlstrom
Jon Gustav Carlstrom
John David Carpenter
William Bradford Caswell, Jr.
Cynthia Ann Chase
Rowand Hamilton Clark
Carol Jo Clegg
John Francis Clough

Harry Lewis Cody
Terrence Robert Colvin
Alexandra Martha Connelly
Creighton Lynn Conner, Jr.
Judith Ann Denness Cooper
Carol Grace Cox
Charles Carrington Cox
Richard Alan Coy
Deborah Susan Crehan
George Manning Cummins, III
Stanhope Fenn Cunningham
Bradley Joseph Delaney
Marian Constance Demas
Judith Marcia Denton
Edwin Lamade DeVilbiss
Michael Hurley Devlin
Alan Dewart
Lawrence Ford Dickie
James Wendell Doane
Daniel Reed Donaldson
James E. Dreves
Sherman Eaton Eddy
Dorothea Gross Ells
Donald Perry Elmore
Harvey Arthur Evans
Anne Matheson Fairbanks
Byron Perry Fink, III
Robert Joseph Finkelstein
John Theodore Flattery
Howard Stetson Fletcher, III
Cecil Reeves Forster, Jr.
Gerard Nelson Foster
Margaret Joyce Franck
Norman Peter Frascella
Pauline Ann Frizzell
Frederic William Fuller, III
Clifford Roy Fulton, Jr.
Lee Geisen
Jan Douglas Gibboney
Charles Hinman Gibbons
Deborah Stone Gillette
Zenith Burnett Gladieux (Mrs.)
Roy Simon Godson
Helen Lewis Gordon
Samuel Lewis Gordon, Jr.
Eugene Leopold Gorlewski
Jon Lenart Gramhofer
Thomas Lawton Greene
Marguerite Anne Grewer
Louise Gulick
Phillip Tisdale Hall, Jr.
Anne Hamant
Gary Lewis Hansen
Perry Oliver Hanson, III
Susan Easton Hanson (Mrs.)
Charles Richard Hawley
Peter James Hawley
Cornelius Lansing Hays, III
Timothy Yeatman Hayward
Sandra Lillian Hazen
Anthony Jon Hershfield
Maryann Elizabeth Hickcox
Frank Whitney Hill, III
Carol Jeanne Hines
Susan MacKenzie Hixson
Thomas Adams Hollister
Avery Shaw Holloway
David Robert Holmes
Thomas Croasdale Hoopes
Lois Phelps Horr
Betsey Ann Hotchkin
Jeffrey Wheeler House
Gregory Keane Hunt
David Stedman Hutchinson
Thad Alwill Jackson
Mary Susan Jenks
Robert Louis Jensen
Mary Gray Jocelyn
Alice McKnight Johnson
Charles Donald Johnson
Linda Archer Johnson
Reid Johnson
Robert Nicholas Johnson
Jeffrey Jay Joseph
Norman William Kalat, Jr.
Noel Wentworth Kane
Marvin Lewis Kelley
John Wright Kelly
Patience Endsley Kenney
William Henry Kieffer, III
Marta Lee Kimball
Susan Kintner
Thomas Frederick Koch
Marilyn Alyce Kramer
Marion Starr Kruesi
Ronald Joseph Lacharité
Marjorie Ann Lam
Mario Salome Landa
Charles Emil Larsen
Virginia Laube
Warren Duncan Lawley
John Sedgwick Lea, Jr.
Calvin Boyd Leman
Eliot Levinson

Roger Edward Lewandowski
John Charles Littel
Edwina Tamara-Cecilia Litwin
Patricia Livingston
Patricia Worthington Lynch
Diane Mercedes McAfee
James Tofaute McCormack
Malcolm Kent MacDonald
Elizabeth Ann McLain
Donald Holman McLean, III
Randall Taylor McNamara
Richard William Maine
Maxine Marsha Mandel
Roger Hill Manternach
Leigh Colvin Marr
John Peter Marston
Dennis Joseph Meehan
Nancy Warner Meehan
Keith Norman Megathlin
Frances Sidney Merchant
Paul Bruce Mertens
Ann Elizabeth Messick
Chester Fredric Meyer, Jr.
Wendelyn Elizabeth Miller
Constance Marrian Miner
Merlin Hilaire Miniclier
Austin Stevenson Mixsell
John Bailey Molineux, Jr.
Michael Edward Mone
Marshall Dean Montgomery
Kenneth Alva Moore
Floyd Leonard Moreland
Anne Marie Morgan
Neil Stephan Moss
Susan Bowen Moss (Mrs.)
Smith Gay Mowry
Diana Margarita Muller
William Arnold Muros
Gary Ray Murphy
Patricia Ann Murphy
Jane Esther Myers
John Jancsi Nanasi
Beth Davis Naylor
Edwin Walker Naylor
Hans Newlin Neuhauser
Geoffrey Howard Nichols
Eric Robert Nitschke
Pamela Nottage
Lawrence Campbell Noyes
Sarah Lawrence Oakes
Carol Carr Oliver
Robert Loring Packard
Karen Colleen Paullin
Jeffrey Lewis Pelton
John Winall Penrod, III
Susan Minta Perkins
Lucinda Elise Petersen
Ann Elizabeth Pierce
Edward Greene Pinkerton, Jr.
Cynthia Wood Poltrack
Nancy Lou Porter
Faith Dickerman Post
Judith Ann Powers
Michael Daniel Pugliese
Elizabeth Randall Ramsey
Marion Palmer Ransom
Brennan Rash
Ronald Lane Reese
William Robert Rice
David Prince Riley
Margaret Elizabeth Roache
Merrily Rae Robinson
Elizabeth Paige Rochester
Karin Christina Ryding
Julie Munn Sage
Ian Stewart Sanderson
Diana Barton Sargent
Janet Sayers
Scott Morgan Scudder
Richard Alan Seybolt
Gerald Lawrence Shyavitz
Roger Hendricks Simon
Robert Austin Skiff
David Leighton Smith
Donald Thomas Smith
Joan Lois Smith
Jane Crittenden Sommers (Mrs.)
Nancy Louise Spanier
Edith Irene Sprenger
Charles Jeffrey Sprigman, Jr.
Gilbert Osborne Stanley
William Edward Steers, Jr.
James Wesley Stiles
Jon Martin Stolk
Rosemary Hall Streeter
Cyril Frederic Strife, Jr.
Raynelle Bruce Stuart
Thomas Alfred Suess
Virginia Edith Swain
Karin Sylvia Swanson
Alice Jean Taliak
Henry Ernest Tauber
John William Taylor, Jr.
Richard Nelson Taylor

Rosamond Jane Teare
Catherine Edel Telfair
John Pemberton Lee Thatcher, Jr.
Nancy Morgan Thornhill
Robert Johns Trevorrow, Jr.
Rachel Goodness True
Robert David Turran
Caroline Elizabeth Tuttle
Martha Jean Tuttle
Ann Coleman Twitchell
Daniel Roland Van Tassel
Augustus Keith Van Winkle
John Leonard Vecchiolla
Veronica Elizabeth Waggoner
John Paul Wallach
Jean Stewart Waller
Claire Lynn Waterhouse
Patricia Ann Watt
Lynne Katherine Webster
Walter Horace Weld
Deborah Anne Wells
Willis Wendell, III
Linda Louise Wentworth
Richard Gordon Werner, Jr.
Judith Kay Williams
Sally Griffitts Williams
George Edward Wilson
Thomas Walter Winter
Priscilla Elizabeth Witt
Peter Kent Wood
James Franklin Woodward
Donald Keith Yeomans
Steven Marcus Yerow
Carl Stewart Young
Dennis George Zarotney

Bachelor of Arts, having received the degree of Bachelor of Science from Columbia University, under the Technical School Plan:

Anthony Adams Ganz

DEGREES CONFERRED WITH DISTINCTION

Summa cum Laude

George Manning Cummins, III
Maxine Marsha Mandel

Magna cum Laude

Marjorie Ann Lam
Floyd Leonard Moreland
Ronald Lane Reese
Richard Nelson Taylor
Jean Stewart Waller

Cum Laude

Josephine Marie Arnold
Barbara Curtis Bailey
Richard Erich Benesh
Terrence Robert Colvin
Judith Ann Denness Cooper
Deborah Susan Crehan
Bradley Joseph Delaney
Judith Marcia Denton
Robert Joseph Finkelstein
Clifford Roy Fulton, Jr.
Susan Easton Hanson
Reid Johnson
Virginia Laube
Patricia Ann Murphy
Pamela Nottage
Diana Barton Sargent
Nancy Louise Spanier
Edith Irene Sprenger
Rosemary Hall Streeter
Karin Sylvia Swanson
Lynne Katherine Webster
Linda Louise Wentworth

Department Honors

Biology—*High Honors:* James Wesley Stiles
Biology—*Honors:* Karin Sylvia Swanson
Economics—*Honors:* Robert Gordon Bingham, Jr.
Terrence Robert Colvin

ENGLISH—*Honors:* Howard Lionel Canaan
Jean Stewart Waller
GEOGRAPHY—*Honors:* John Lucius Buttolph, III
HISTORY—*High Honors:* Clifford Roy Fulton, Jr.
HISTORY—*Honors:* Lee Geisen
Mario Salome Landa
David Prince Riley
John Pemberton Lee Thatcher, Jr.
John Leonard Vecchiolla
Walter Horace Weld
MATHEMATICS—*High Honors:* Barbara Curtis Bailey
Lucina Elise Petersen
PHILOSOPHY—*High Honors:* Robert Joseph Finkelstein
POLITICAL SCIENCE—*High Honors:* Judith Marcia Denton
POLITICAL SCIENCE—*Honors:* Roy Simon Godson
David Robert Holmes
SOCIOLOGY—*Honors:* Lynne Katherine Webster

Appointments to PHI BETA KAPPA

Deborah Susan Crehan
George Manning Cummins, III
Susan Easton Hanson
Marjorie Ann Lam
Maxine Marsha Mandel
Floyd Leonard Moreland
Ronald Lane Reese
Karin Sylvia Swanson
Richard Nelson Taylor
Jean Stewart Waller
Lynne Katherine Webster

COMMENCEMENT HONORS

(*For students who have graduated since June 1963*)

Men

VALEDICTORY HONORS—George Manning Cummins, III
SALUTATORY HONORS—Richard Nelson Taylor

Women

VALEDICTORY HONORS—Maxine Marsha Mandel
SALUTATORY HONORS—Jean Stewart Waller

UNITED STATES ARMY COMMISSIONS

Second Lieutenants, United States Army Reserve

Daniel Lee Brown
Francis Paul Butler
Lee Calligaro
Michael Vincent Caola, Jr.
Rowand Hamilton Clark
Terrence Robert Colvin
Creighton Lynn Conner, Jr.
Stanhope Fenn Cunningham
Alan Dewart
Lawrence Ford Dickie
Byron Perry Fink, III
John Theodore Flattery
Howard Stetson Fletcher
Clifford Roy Fulton, Jr.
Thomas Lawton Greene
Phillip Tisdale Hall, Jr.
Gary Lewis Hansen
Peter James Hawley

Anthony Jon Hershfield
David Robert Holmes
David Stedman Hutchinson
Thad Alwill Jackson
Robert Lewis Jensen
Reid Johnson
Marvin Lewis Kelley
John Wright Kelly
Thomas Frederick Koch
John Sedgwick Lea, Jr.
James Tofaute McCormack
Randall Taylor McNamara
Roger Hill Manternach
Chester Fredric Meyer, Jr.
Austin Stevenson Mixsell
Marshall Dean Montgomery
Gary Ray Murphy
Jeffrey Lewis Pelton
Ian Stewart Sanderson
Charles Jeffrey Sprigman, Jr.
James Wesley Stiles
John William Taylor, Jr.
Robert David Turran
John Leonard Vecchiolla
Walter Horace Weld
Willis Wendell, III
Peter Kent Wood

UNITED STATES MARINE CORPS COMMISSIONS

Second Lieutenants, United States Marine Corps Reserve

Donald Perry Elmore
Cecil Reeves Forster, Jr.
Timothy Yeatman Hayward

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Calendar for 1965-1966

(*Tentative*)

1965

SEPTEMBER

16—Thursday, Freshman Week begins
19—Sunday, Freshman Convocation (10:45 a.m.)
20—Monday, Classes begin (8 a.m.)

OCTOBER

9—Saturday, Alumni Homecoming

NOVEMBER

24—Wednesday, Thanksgiving Recess (12 noon)
29—Monday, Classes resume (8 a.m.)

DECEMBER

16—Thursday, Christmas Recess (12 noon)

1966

JANUARY

3—Monday, Classes resume (8 a.m.)
22—Saturday, First Semester classes end (12 noon)
24—Monday, Final Examinations begin

FEBRUARY

2—Wednesday, Final Examinations end
7—Monday, Second Semester classes begin (8 a.m.)
24—Thursday, Carnival Week-end (5 p.m.)
28—Monday, Classes resume (8 a.m.)

APRIL

2—Saturday, Spring Recess (12 noon)
12—Tuesday, Classes resume (8 a.m.)

MAY

28—Saturday, Classes end (12 noon)
30—Monday, Final Examinations begin

JUNE

8—Wednesday, Final Examinations end
12—Sunday, Baccalaureate
13—Monday, Commencement

1965-66

SEPTEMBER

S	M	T	W	T	F	S
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OCTOBER

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NOVEMBER

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DECEMBER

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FEBRUARY

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1966

MARCH

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MAY

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JUNE

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JULY

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AUGUST

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